

# UBE3A Polyclonal antibody

UBE3A Polyclonal Antibody for IF, IHC, IP, WB, ELISA

**Host / Isotype**  
Rabbit / IgG

**Reactivity**  
Human, Mouse, Rat

**Applications**  
WB, IP, IHC, IF, ELISA

**Conjugate**  
Unconjugated

**Publications**  
4

[Review Product](#)

**Cat no :** 10344-1-AP

## Synonyms

ANCR, AS, E6 AP, E6AP, E6AP ubiquitin protein ligase, EPVE6AP, HPVE6A, UBE3A, ubiquitin protein ligase E3A

## Overview

Tested Applications

Product Information

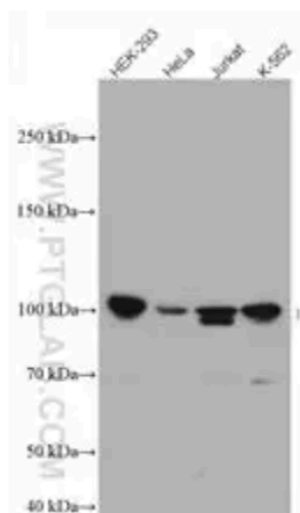
Publications (4)

Protocols

[Print datasheet](#)

[MSDS](#)

## Validation Data Gallery



## WB analysis using 10344-1-AP

Various lysates were subjected to SDS PAGE followed by western blot with 10344-1-AP (UBE3A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.

[View All Images \(13\)](#)

**\$319/** 150ul

**Cat No.** 10344-1-AP

**In stock.**

Order within 5 hours and 15 mins to receive by **Wednesday, January 6**

**Freight/Packing:** \$40.00

Country/Region

United States ▼

Size/Concentration

150ul , 333 µg/ml ▼

Quantity

1 ▼

ADD TO BASKET



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## Overview

Tested Applications

Product Information

Publications (4)

Protocols



Print datasheet

[MSDS](#)

## Tested Applications

Positive WB detected in	HEK-293 cells, mouse lung tissue, K-562 cells, mouse brain tissue, Jurkat cells, HeLa cells
Positive IP detected in	mouse brain tissue
Positive IHC detected in	human lung cancer tissue, human kidney tissue, mouse kidney tissue <i>Note: suggested antigen retrieval with <b>TE buffer pH 9.0</b>; (*) Alternatively, antigen retrieval may be performed with <b>citrate buffer pH 6.0</b></i>
Positive IF detected in	Hela cells

## Recommended dilution

APPLICATION	DILUTION
Western Blot (WB)	WB : 1:1000-1:5000
Immunoprecipitation (IP)	IP : 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Immunohistochemistry (IHC)	IHC : 1:50-1:500
Immunofluorescence (IF)	IF : 1:10-1:100

Sample-dependent, check data in validation data gallery

## Published Applications

WB [See 3 publications below](#)

IF [See 1 publications below](#)

## Product Information

10344-1-AP targets UBE3A in WB, IP, IHC, IF, ELISA applications and shows reactivity with human, mouse, rat samples.

Tested Reactivity	Human, Mouse, Rat
Cited Reactivity	Mouse
Host / Isotype	Rabbit / IgG

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## Overview

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Protocols



Print datasheet

[MSDS](#)

Class	Polyclonal
Type	Antibody
Immunogen	<a href="#">UBE3A fusion protein Ag0346</a>
Full Name	ubiquitin protein ligase E3A
Calculated molecular weight	852 aa, 98 kDa
Observed molecular weight	100 kDa
GenBank accession number	<a href="#">BC002582</a>
Gene symbol	UBE3A
Gene ID (NCBI)	<a href="#">7337</a>
Conjugate	Unconjugated
Form	Liquid
Purification Method	Antigen affinity purification
Storage Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Storage Conditions	Store at -20°C. Stable for one year after shipment. <b>Aliquoting is unnecessary for -20°C storage.</b>

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**Freight/Packing: \$40.00**

Country/Region

United States

Size/Concentration

150ul , 333 µg/ml

Quantity

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## Background Information

UBE3A(Ubiquitin-protein ligase E3A) is also named as E6AP, EPVE6AP, HPVE6A and belongs to the E3 ubiquitin protein ligase family. It functions as both an E3 ligase in the ubiquitin proteasome pathway and as a transcriptional coactivator. It is also initially identified as a cellular protein that mediates in vitro association of the human papillomavirus E6 protein with p53, leading to the ubiquitin-dependent degradation of p53(PMID:1661671). Defects in UBE3A are a cause of Angelman syndrome (AS)(PMID:10508479). It has 3 isoforms with MW of 97-101 kDa produced by alternative splicing.

## Protocols

PRODUCT SPECIFIC PROTOCOLS

Overview

Tested Applications

Product Information

Publications (4)

Protocols

 [Print datasheet](#)

[MSDS](#)

IHC protocol for UBE3A antibody 10344-1-AP

[Download protocol](#)

IF protocol for UBE3A antibody 10344-1-AP

[Download protocol](#)

IP protocol for UBE3A antibody 10344-1-AP

[Download protocol](#)

STANDARD PROTOCOLS

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**\$319/**150ul

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Country/Region

United States

Size/Concentration

150ul , 333 µg/ml


Quantity

1

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Publications

All (4) WB (3) IF (1)

Sort By: Journal Impact ... ▾

SPECIES	APPLICATION	TITLE
mouse	IF	<p>J Mol Cell Biol</p> <p><b>Landscape of genomic imprinting and its functions in the mouse mammary gland.</b></p> <p>Authors - Haibo Xu</p> <p><a href="#">View Article</a></p>
mouse	WB	<p>Int J Mol Sci</p> <p><b>Taurine Administration Recovers Motor and Learning Deficits in an Angelman Syndrome Mouse Model.</b></p> <p>Authors - Sara Guzzetti</p> <p><a href="#">View Article</a></p>
mouse	WB	<p>Mol Neurobiol</p> <p><b>All-Trans Retinoic Acid Exerts Neuroprotective Effects in Amyotrophic Lateral Sclerosis-Like Tg (SOD1*G93A)1Gur Mice.</b></p> <p>Authors - Yu Zhu</p> <p><a href="#">View Article</a></p>

[View Article](#)

mouse

WB

Nature

## Cas9 gene therapy for Angelman syndrome traps Ube3a-ATS long non-coding RNA.

Authors - Justin M Wolter

[View Article](#)

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# UBE3A Fusion Protein

**Source**  
*e coli*-derived, PGEX-4T

**Tag**  
GST

**Format**  
Powder

**Cat no :** Ag0346

**Synonyms**

ANCR; AS; E6-AP; EPVE6AP; FLJ26981;  
HPVE6A

**Overview**

Product Information

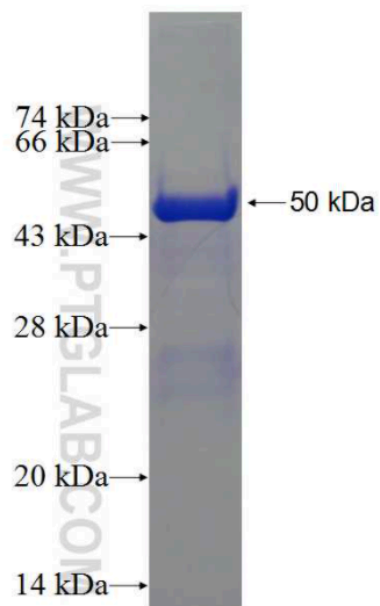
Reconstitution and  
Storage

Related Products (1)

 [Print datasheet](#)

[MSDS](#)

## Validation Data Gallery



## UBE3A fusion protein Ag0346 SDS-PAGE

[Enlarge Image](#)

**\$199/** 50ug

**Cat No.** Ag0346

The lead time for this product is currently 3-4 weeks.

**Freight/Packing:** \$40.00

Country/Region

United States ▾

Size

50ug ▾

Quantity


1 ▾

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## Product Information

## Overview

### Product Information

### Reconstitution and Storage

### Related Products (1)

[Print datasheet](#)[MSDS](#)

## Product Information

**Peptide Sequence** GE PQSDDIEASRMKRAAAKHLIERYYHQLTEGCGNEACTNEFCASCPTFLRMDNNAAAIKALELYKINAKLCDPH PSKKGASSAYLENSKGAPNNSCSEIKMNKKGARIDFKDVTYLTEEKVYEILELCREREDYSPLIRVIGRVFSSAEALV QSF RKVKQHTKEELKSLQAKDEDKDEDEKEKAACSAAMEEDSEASSSRIGDSS (9-215 aa encoded by BC002582)

**Activity** Not tested.

**Endotoxin Level** Please contact the lab for more information.

**Purity** 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

**Formulation** The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.

## Reconstitution and Storage

**Reconstitution** Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

**Stability and Storage** Store for up to 12 months at -20°C to -80°C as lyophilized powder.

**Storage of Reconstituted Protein** Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**\$199/** 50ug

Cat No. Ag0346

The lead time for this product is currently 3-4 weeks.

Freight/Packing: \$40.00

Country/Region

United States

Size

50ug

Quantity

1

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For Research Use Only

# UBE3A Polyclonal antibody

Catalog Number: 10344-1-AP

4 Publications



## Basic Information

### Catalog Number:

10344-1-AP

### Size:

150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0346

### GenBank Accession Number:

BC002582

### GeneID (NCBI):

7337

### Full Name:

ubiquitin protein ligase E3A

### Calculated MW:

852 aa, 98 kDa

### Observed MW:

100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:5000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IHC 1:50-1:500

IF 1:10-1:100

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB**: HEK-293 cells, mouse lung tissue, K-562 cells, mouse brain tissue, Jurkat cells, HeLa cells

**IP**: mouse brain tissue,

**IHC**: human lung cancer tissue, human kidney tissue, mouse kidney tissue

**IF**: HeLa cells,

## Background Information

UBE3A (Ubiquitin-protein ligase E3A) is also named as E6AP, EPVE6AP, HPVE6A and belongs to the E3 ubiquitin protein ligase family. It functions as both an E3 ligase in the ubiquitin proteasome pathway and as a transcriptional coactivator. It is also initially identified as a cellular protein that mediates in vitro association of the human papillomavirus E6 protein with p53, leading to the ubiquitin-dependent degradation of p53 (PMID:1661671). Defects in UBE3A are a cause of Angelman syndrome (AS) (PMID:10508479). It has 3 isoforms with MW of 97-101 kDa produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Justin M Wolter	33087932	Nature	WB
Haibo Xu	32369566	J Mol Cell Biol	IF
Yu Zhu	32548665	Mol Neurobiol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

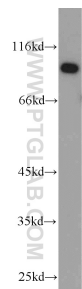
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

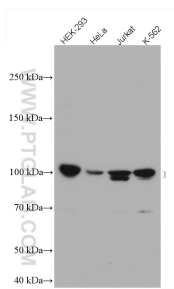
**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**



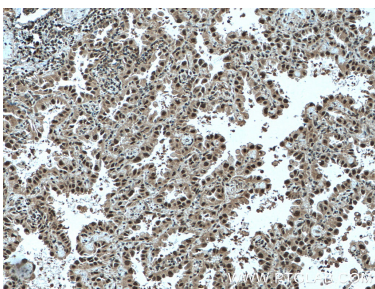
Selected Validation Data



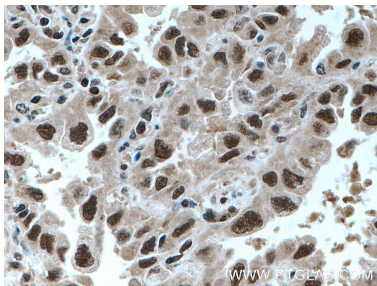
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10344-1-AP (UBE3A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



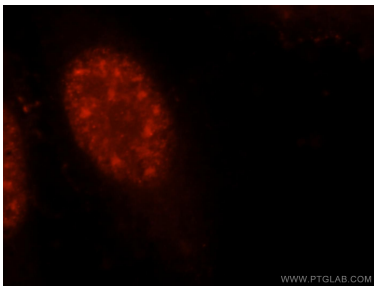
Various lysates were subjected to SDS PAGE followed by western blot with 10344-1-AP (UBE3A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



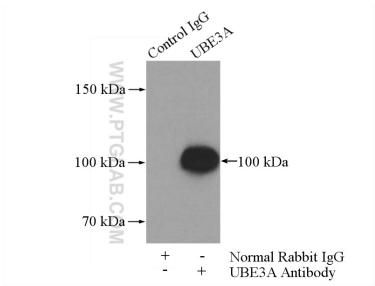
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10344-1-AP (UBE3A antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10344-1-AP (UBE3A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using UBE3A antibody 10344-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-UBE3A (IP:10344-1-AP, 4ug; Detection:10344-1-AP 1:300) with mouse brain tissue lysate 4000ug.