

Lot: B78475

16-11-2012



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## Anti-SEPT2

## Certificate of Analysis

Product Name	Anti-SEPT2, antibody produced in rabbit, affinity isolated
Product Number	HPA018481
Lot Number	B78475
Storage Temperature	Store at -20°C
Gene Description	septin 2
Appearance	Clear, colorless solution in phosphate buffered saline, pH 7.2, containing 40% glycerol and 0.02% sodium azide
Concentration	0.1 mg/ml
Storage	For continuous use, store at 2-8°C for one-two days. For extended storage, store in -20°C freezer. Working dilution samples should be discarded if not used within 12 hours.
Species Reactivity	Human (not yet tested in other species)
Immunohistochemistry-Paraffin Embedded Tissue (IHC-P)	Conditions used for the images on the Human Protein Atlas (HPA) - Antigen retrieval method: HIER pH6 - Antibody dilution: 1:200 - 1:500
Protein Array (PA)	Specific reactivity against target PrEST protein
Western Blotting (WB)	Single band corresponding to the predicted size in kDa (+/-20%).
Notes	See Protocols under Technical Aids <a href="http://www.sigma.com/techaids">www.sigma.com/techaids</a> Optimal concentrations and conditions for each application should be determined by the user.
Additional Information on HPA	<a href="http://www.proteinatlas.org">www.proteinatlas.org</a> , search for HPA018481
Handling	The antibody solution should be gently mixed before use.

Certificate is system generated and does not require a signature

Product of Sweden, MSDS available

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Purchaser must determine the suitability of the product(s) for their particular use.  
Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.



**Product name** Anti-SEPT2

**Product number** HPA018481

**Lot Number** B78505

**Gene description** septin 2

**Database links** [Human Protein Atlas: ENSG00000168385](#)  
[Ensembl: ENSG00000168385](#)  
[Uniprot/SWISSPROT:Acc:Q15019](#)  
[HGNC Symbol:Acc:7729](#)

**Alternative names** DIFF6, hNedd5, KIAA0158, NEDD5, Pnut13

**Clonality** Polyclonal, raised in rabbit

**Isotype** IgG

Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence:

**Antigen sequence** WGVVEVENPEHNDFLKRLTMLITHMQDLQEVTDQLHYENFRSERLKRGR  
 KVENEEDMNKDQILLEKEAELRRMQEMIARMQAQMGMQMGGDGDGGALGH

**Purity** Affinity purified using the PrEST antigen as affinity ligand. Specific reactivity against target PrEST validated on Protein Array.

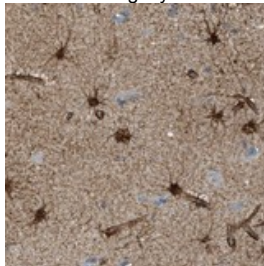
**Species reactivity** Human, Mouse, Rat

**Tested applications**

#### Immunohistochemistry-Paraffin Embedded Tissues (IHC-P)

##### IHC-P Anti-SEPT2

Click to magnify



Immunohistochemical staining of human cerebral cortex shows distinct cytoplasmic positivity in astrocytes and endothelial cells.

*Recommended conditions:*

- Retrieval method: HIER pH6
- Dilution: 1:200 - 1:500

[Link to all IHC characterization data on the Human Protein Atlas](#)

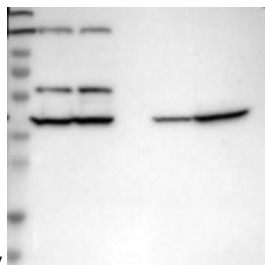
[IHC protocol for polyclonal antibodies](#)

NOTE: Please visit the [Human Protein Atlas](#) for the images of the immunohistochemical analysis of 576 human tissue samples of normal and cancer origin as well as 59 cells and cell lines in duplicates.

#### Western Blot (WB)

##### WB Anti-SEPT2

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Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11  
 Lane 2: RT-4  
 Lane 3: U-251 MG  
 Lane 4: Human Plasma  
 Lane 5: Liver  
 Lane 6: Tonsil

*Recommended conditions:*

- Dilution: 1:250 - 1:500

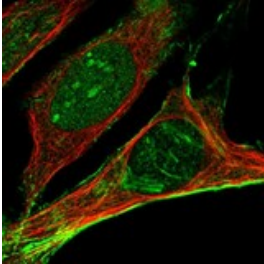
[Link to WB characterization data on the Human Protein Atlas](#)

[WB protocol for polyclonal antibodies in human material](#)

#### Immunofluorescence (IF)

##### IF Anti-SEPT2

Click to magnify



Immunofluorescent staining of human cell line U-2 OS shows positivity in nucleus, nucleoli & cytoskeleton (actin filaments).

Recommended conditions:

- Fixation/Permeabilization: PFA/Triton X-100
- Working concentration: 1-4 µg/ml

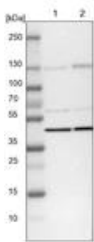
[IF protocol](#)

NOTE: Please visit the [Human Protein Atlas](#) for the images of the immunofluorescence analysis of three different cell lines stained with the antibody as well as with probes, displayed as different colors/channels, targeting specific intracellular compartments.

[Link to all IF characterization data on the Human Protein Atlas](#)

Western Blot (WB) in rodent material

WB Anti-SEPT2 in rodent material



Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells)  
Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)

Recommended conditions:

- Dilution: 1:250 - 1:500

[WB protocol for polyclonal antibodies in rodent material](#)

Click to magnify

Interspecies information

Highest antigen sequence identity to the following orthologs:

Mouse [ENSMUSG00000026276](#) (97%)  
Rat [ENSRNOG00000017952](#) (96%)

Form

The antibodies are delivered in 40% glycerol and PBS (pH 7.2). 0.02% sodium azide is added as preservative.  
[Material Safety Data Sheet](#)

Vial size

100 µl

Concentration

0.1 mg/ml

Storage

Store at +4°C for short term storage (1-2 days). Long time storage is recommended at -20°C. If stored at lower temperature, aliquot to avoid repeated freezing and thawing.

Shipping

Shipped at ambient temperature.

Handling

The antibody solution should be gently mixed before use.

Price

€315/\$429 [Freight costs](#)

Availability

Available in stock

Notes

Optimal concentrations and conditions for each application should be determined by the user.