

## Anti-Stra8 antibody (ab49602)

★★★★★ 3 Abreviews

NCBI 6 References

2 Images

URL for this product: <http://www.abcam.com/Stra8-antibody-ab49602.html>

### Product overview

Description	Rabbit polyclonal to Stra8
Host species	Rabbit
Tested applications	IHC-P, WB, IHC-Fr, ICC/IF, IHC-FoFr
Cross reactivity	<b>Reacts with</b> Mouse, Rat
Immunogen	Synthetic peptide derived from within residues 1 - 100 of Mouse Stra8.(Note: the amino acid sequence is proprietary)(Peptide available as <a href="#">ab49601</a> .)
Positive control	This antibody gave a positive signal in the following Tissue Lysates: Liver (Rat); Brain (Mouse)

### Target

Function	Required for the transition into meiosis for both female and male germ cells. In female germ cells, required for premeiotic DNA replication and subsequent events in meiotic prophase.
Tissue specificity	Expressed specifically in testis.
Post-translational modifications	Phosphorylated.
Cellular localization	Cytoplasm.

Target information above from: UniProt accession [Q7Z7C7](#) *The UniProt Consortium*  
**The Universal Protein Resource (UniProt) in 2010**  
[Nucleic Acids Res. 38:D142-D148 \(2010\).](#)

Alternative names	Stimulated by retinoic acid Gene 8 antibody Stimulated by retinoic acid gene 8 protein homolog antibody STRA8 antibody STRA8_HUMAN antibody
-------------------	--

### Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4 See the website for more SDS information for this product.
Purity	Immunogen affinity purified
Clonality	Polyclonal
IsoType	IgG

### Applications

IHC-P	IHC-P: Use at an assay dependent dilution.
WB	WB: Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
IHC-Fr	IHC-Fr: Use at an assay dependent dilution.

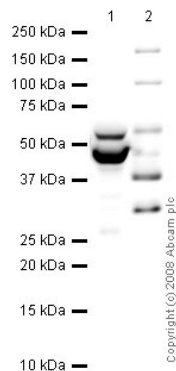
ICC/IF

ICC/IF: 1/250.

IHC-FoFr

IHC-FoFr: Use at an assay dependent dilution. PubMed: 18799790

**Images** (See the website for higher resolution images of this product)



**All lanes :** Anti-Stra8 antibody (ab49602) at 1 µg/ml

**Lane 1 :** Liver (Rat) Tissue Lysate

**Lane 2 :** Brain (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

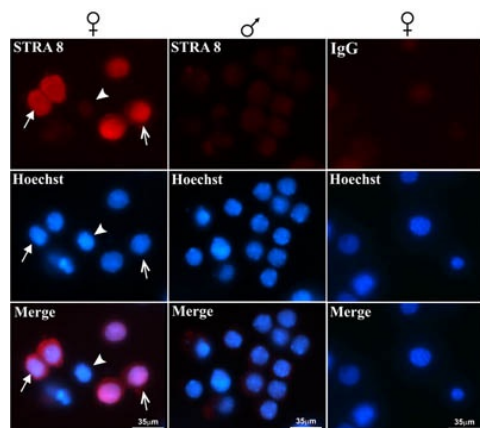
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

**Predicted band size :** 45 kDa

**Observed band size :** 45 kDa

**Additional bands at :** 100 kDa, 180 kDa, 30 kDa, 40 kDa, 55 kDa. We are unsure as to the identity of these extra bands.



ab49602 at 1/250 dilution, staining Stra8 in Primordial Germ Cells from 13.5 days post-coitum mouse ovaries and testis by Immunocytochemistry/ immunofluorescence. The cells were fixed by 4% paraformaldehyde in PBS for 10 min at room temperature and then permeabilized for 10 min in 0.1% Triton X-100 in PBS. After a 1-h block in 5% bovine serum albumin in PBS, primary antibody was added, diluted in 0.5% BSA in PBS and incubated with sample overnight at 4°C. An Alexa Fluor®568 conjugated Goat anti-rabbit IgG was used as secondary for 1 hour. Nuclei were labeled with Hoechst 33349 (1 µg/ml). A rabbit IgG was also used as control antibody with the same procedure.

Image from Tedesco M. et al. J Biol Chem. 2009 Dec 18;284(51):35781-93. (Fig.1A)

**Our Abpromise to you: Quality guaranteed and expert technical support**

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.