

Product datasheet

Anti-Stra8 antibody ab49405

★★★★★ 2 Abreviews 23 References 2 Images

Overview

Product name	Anti-Stra8 antibody
Description	Rabbit polyclonal to Stra8
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Mouse Stra8. Read Abcam's proprietary immunogen policy (Peptide available as ab49600 .)
Positive control	WB: Stra8 (mouse) transient overexpression lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab49405** in the following tested applications.

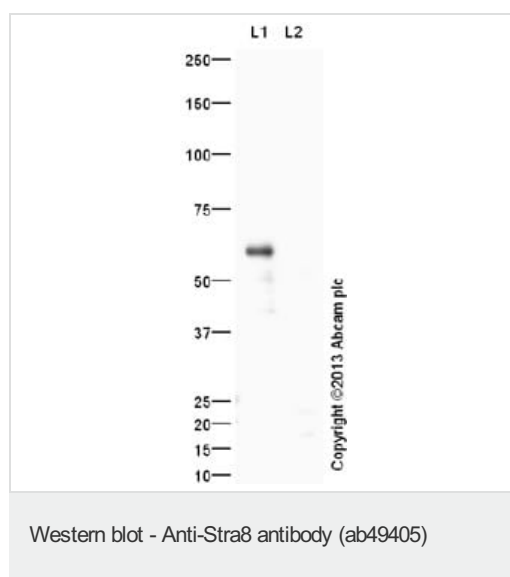
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★	Use a concentration of 0.1 µg/ml. Recommended use at a low concentration otherwise high background staining may be observed
WB	★★★☆☆	Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).
ICC/IF		1/250.

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.

Images



All lanes : Anti-Stra8 antibody (ab49405) at 1 µg/ml

Lane 1 : CHO overexpressing Mouse Stra8 lysate

Lane 2 : CHO Negative Control Lysate

Lysates/proteins at 1 µl per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

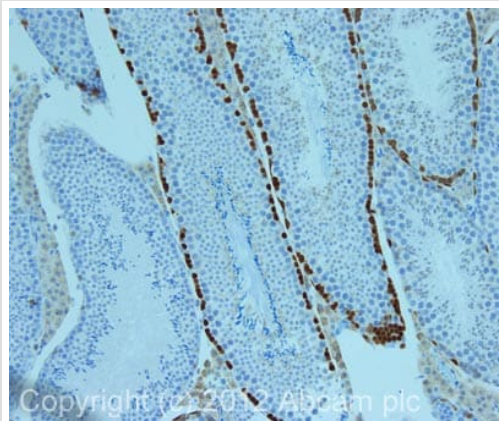
Predicted band size: 45 kDa

Observed band size: 60 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 1 minute

Ab49405 recognizes tagged overexpressed Stra8 protein which has an expected molecular weight of 60 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Stra8 antibody (ab49405)

IHC image of Stra8 staining in mouse testis formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab49405, 0.1µg/ml, for 15 mins at room temperature. A goat anti-rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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