10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Stra8 Antibody
Catalog # ABO10846

Specification

Anti-Stra8 Antibody - Product Information

Application	**WB**
Primary Accession	D4ADQ4
Host	**Rabbit**
Reactivity	**Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Protein Stra8(STRA8) detection. Tested with WB in Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Stra8 Antibody - Additional Information

Calculated MW
41262 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Rat

Protein Name
Protein Stra8

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of rat Stra8(341-355aa DDDVMLLKCLETFDD), different from the related mouse sequence by one amino acid.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Anti-Stra8 Antibody - Protein Information

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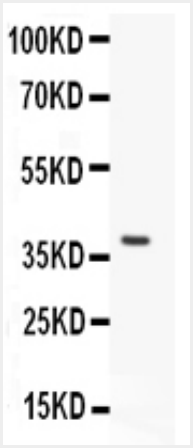
Anti-Stra8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Stra8 Antibody - Images



Anti- Stra8 antibody, ABO10846, Western blottingAll lanes: Anti Stra8(ABO10846) at 0.5ug/mlWB : Rat Testis Tissue Lysate at 50ugPredicted bind size: 37KDObserved bind size: 37KD

Anti-Stra8 Antibody - Background

Stra8, stimulated by retinoic acid 8, is expressed in embryonic ovaries just before meiotic initiation, whereas in testis it is expressed after birth. The STRA8 gene contains 9 exons. And this gene is mapped to chromosome 7q31. Retinoic acid(RA) signaling was required for Stra8 expression, and therefore initiation of meiosis, in embryonic mouse ovaries. RA was sufficient to induce Stra8 expression in embryonic testis. Cyp26-mediated RA metabolism was responsible for delaying Stra8 expression in embryonic testis. Since RA signaling regulated Stra8 expression in both embryonic ovaries and adult testis, it was said this portion of the meiotic initiation pathway may be identical in both sexes.