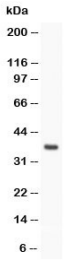
Stra8 Antibody (R30604)

Catalog No.	Formulation	Size
R30604	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	D4ADQ4
Applications	Western blot: 0.5-1ug/ml
Limitations	This Stra8 antibody is available for research use only.



Western blot testing of Stra8 antibody and rat testis; Predicted size: 37KD; Observed size: 37KD

Description

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 expression in embryonic testis. Cyp26-mediated RA metabolism was responsible for delaying 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Stra8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 341-355 (DDDVMLLKCLETFDD-rat) were used as the immunogen for this Stra8 antibody.

Storage

After reconstitution, the Stra8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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