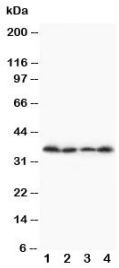
Stra8 Antibody (R30770)

Catalog No.	Formulation	Size
R30770	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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	Q7Z7C7
Applications	Western blot: 0.5-1ug/ml
Limitations	This Stra8 antibody is available for research use only.



Western blot testing of Stra8 antibody and Lane 1: A231; 2: Jurkat; 3: HT1080; 4: SCG cell lysate. Predicted 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 is mapped to chromosome 7q31. Retinoic acid(RA) signaling is 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 expression in embryonic testis. Since RA signaling regulated 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

An amino acid sequence from the C-terminus of human Stra8 (DEEMIMLQCTETFDDEDL) was 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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