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

STRA8 Antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AM2091a

Product Information

Application	WB, E
Primary Accession	Q7Z7C7
Other Accession	NP_872295.1
Reactivity	Human, Mouse
Predicted	Bovine
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Names	526CT11.1.5
Calculated MW	36908
Antigen Region	31-59

Additional Information

Gene ID	346673
Other Names	Stimulated by retinoic acid gene 8 protein homolog, STRA8 {ECO:0000312|EMBL:AAP471631}
Target/Specificity	This STRA8 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from human STRA8.
Dilution	WB~~1:500~8000 E~~Use at an assay dependent concentration.
Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	STRA8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	STRA8 (HGNC:30653)
Function	Meiosis-inducer required for the transition into meiosis for both female and male germ cells. In female germ cells, acts downstream of ZGLP1 as a key effector of the meiotic program: required for premeiotic DNA replication and subsequent events in meiotic prophase. During spermatogenesis, next to its

	role in meiotic initiation, promotes (but is not required for) spermatogonial differentiation. In complex with MEIOSIN, directly activates the transcription of a subset of critical meiotic genes playing a central role in cell-cycle switching from mitosis to meiosis.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P70278}. Nucleus {ECO:0000250|UniProtKB:P70278}. Note=Shuttles between nucleus and cytoplasm. Nuclear export is XPO1-dependent {ECO:0000250|UniProtKB:P70278}
Tissue Location	Expressed specifically in testis and fetal ovaries.

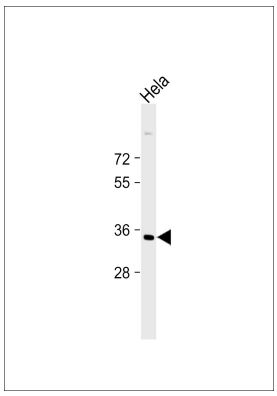
Background

This gene encodes a retinoic acid-responsive protein. A homologous protein in mouse has been shown to be involved in the regulation of meiotic initiation in both spermatogenesis and oogenesis, though feature differences between the mouse and human proteins suggest that these homologs are not entirely functionally equivalent. It is thought that this gene may play a role in spermatogenesis in humans.

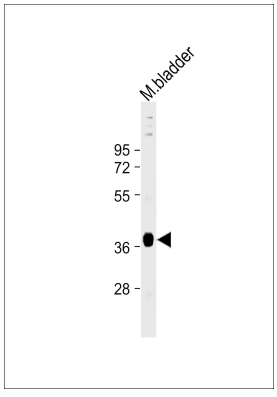
References

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Aston, K.I., et al. Hum. Reprod. 25(6):1383-1397(2010)
Chen, B., et al. Asian J. Androl. 11(5):557-565(2009)
Houmard, B., et al. Biol. Reprod. 81(2):438-443(2009)
Stouffs, K., et al. Verh. K. Acad. Geneeskd. Belg. 71(3):115-139(2009)

Images



Anti-STRA8 Antibody at 1:2000 dilution + Hela whole cell lysate Secondary Goat Anti-mouse IgM, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36908 Da Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-STRA8 Antibody at 1:8000 dilution + mouse bladder lysate Secondary Goat Anti-mouse IgM, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36908 Da Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.