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STRA8 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11436b

Specification

STRA8 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q7Z7C7

STRA8 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 346673

Other Names
Stimulated by retinoic acid gene 8 protein homolog, STRA8 {ECO:0000312|EMBL:AAP471631}

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

STRA8 Antibody (C-term) Blocking peptide - 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.

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STRA8 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

STRA8 Antibody (C-term) Blocking peptide - Images

STRA8 Antibody (C-term) Blocking peptide - Background

This gene encodes a retinoic acid-responsive protein. Ahomologous protein in mouse has been shown to be involved in theregulation of meiotic initiation in both spermatogenesis andoogenesis, though feature differences between the mouse and humanproteins suggest that these homologs are not entirely functionallyequivalent. It is thought that this gene may play a role inspermatogenesis in humans.

STRA8 Antibody (C-term) Blocking peptide - References

Le Bouffant, R., et al. Hum. Reprod. 25(10):2579-2590(2010)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)