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SPATA7 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12419b

Specification

SPATA7 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9P0W8

SPATA7 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 55812

Other Names
Spermatogenesis-associated protein 7, HSD-31, Spermatogenesis-associated protein HSD3, SPATA7, HSD3

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.

SPATA7 Antibody (C-term) Blocking peptide - Protein Information

Name SPATA7

Synonyms HSD3

Function
Involved in the maintenance of both rod and cone photoreceptor cells (By similarity). It is required for recruitment and proper localization of RPGRIP1 to the photoreceptor connecting cilium (CC), as well as photoreceptor-specific localization of proximal CC proteins at the distal CC (By similarity). Maintenance of protein localization at the photoreceptor-specific distal CC is essential for normal microtubule stability and to prevent photoreceptor degeneration (By similarity).

Cellular Location
Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton. Cell projection, cilium, photoreceptor outer segment {ECO:0000250|UniProtKB:Q80VP2}. Note=Localizes to the microtubule network.

SPATA7 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

SPATA7 Antibody (C-term) Blocking peptide - Images

SPATA7 Antibody (C-term) Blocking peptide - Background

This gene, originally isolated from testis, is alsoexpressed in retina. Mutations in this gene are associated withLeber congenital amaurosis and juvenile retinitis pigmentosa.Alternatively spliced transcript variants encoding differentisoforms have been found for this gene.

SPATA7 Antibody (C-term) Blocking peptide - References

Perrault, I., et al. Hum. Mutat. 31 (3), E1241-E1250 (2010) :Wang, H., et al. Am. J. Hum. Genet. 84(3):380-387(2009)Zhang, X., et al. J. Mol. Med. 81(6):380-387(2003)Heilig, R., et al. Nature 421(6923):601-607(2003)