

SPATA7 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12419b**Specification**

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

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 also expressed in retina. Mutations in this gene are associated with Leber congenital amaurosis and juvenile retinitis pigmentosa. Alternatively spliced transcript variants encoding different isoforms 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)