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

SPATA7 Rabbit pAb

Catalog # AP98317

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q9P0W8
Other Accession	Q9P0W8
Predicted	Rat, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67719
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SPATA7
Epitope Specificity	201-300/599
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, May 2010]

Additional Information

Gene ID	55812
Other Names	HEL-S-296; HSD-3.1; HSD3; LCA3; RP94; B230306G18Rik; RSD-3; Wmp1; SPAT7_HUMAN; SPATA7; Spermatogenesis-associated protein HSD3; SPAT7_MOUSE; spermatogenesis associated 7; Leber congenital amaurosis 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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