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

ROPN1L Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP11844a

Specification

ROPN1L Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q96C74

ROPN1L Antibody (N-term) Blocking peptide - Additional Information

Gene ID 83853

Other Names
Ropporin-1-like protein, ROPN1-like protein, AKAP-associated sperm protein, ROPN1L, ASP

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.

ROPN1L Antibody (N-term) Blocking peptide - Protein Information

Name ROPN1L

Synonyms ASP, RSPH11 {ECO:0000303|PubMed:27120127

Function
Functions as part of axonemal radial spoke complexes that play an important part in the motility of sperm and cilia. Important for male fertility. With ROPN1, involved in fibrous sheath integrity and sperm motility, plays a role in PKA-dependent signaling processes required for spermatozoa capacitation.

Cellular Location
Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9EQ00}. Cell projection, cilium

ROPN1L Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

ROPN1L Antibody (N-term) Blocking peptide - Images

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ROPN1L Antibody (N-term) Blocking peptide - Background

Cyclic nucleotide phosphodiesterases (PDEs) catalyzehydrolysis of the cyclic nucleotides cAMP and cGMP to thecorresponding nucleoside 5-prime-monophosphates. Mammalian PDEshave been classified into several families based on theirbiochemical properties. Members of the PDE1 family, such as PDE1B,are calmodulin (see MIM 114180)-dependent PDEs (CaM-PDEs) that arestimulated by a calcium-calmodulin complex (Repaske et al., 1992[PubMed 1326532]).

ROPN1L Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Vandeput, F., et al. J. Biol. Chem. 282(45):32749-32757(2007)Bender, A.T., et al. Proc. Natl. Acad. Sci. U.S.A. 103(2):460-465(2006)Bender, A.T., et al. Proc. Natl. Acad. Sci. U.S.A. 102(2):497-502(2005)