Datasheet for ABIN954578

anti-ROPN1L antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	ROPN1L
Binding Specificity:	AA 39-68, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 39-68 amino acids from the N-terminal region of human ROPN1L
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ROPN1L.
Cross-Reactivity (Details):	Species reactivity (tested):Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	ROPN1L
Alternative Name:	ROPN1L / ASP (ROPN1L Products)

Target Details

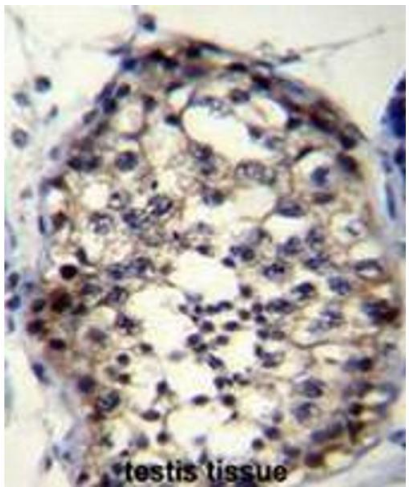
Background:	The protein encoded by this gene is a sperm protein, which interacts with A-kinase anchoring protein, AKAP3, through the amphipathic helix region of AKAP3. Type II regulatory subunit of cAMP-dependent protein kinase (PKARII) also binds to this helix domain of AKAP3, which allows PKARII to be targeted to specific subcellular compartments. It is suggested that sperm contains several proteins that bind to AKAPs in a manner similar to PKARII, and this encoded protein may be one of them.Synonyms: AKAP-associated sperm protein, ROPN1-like protein, Ropporin-1-like protein
Molecular Weight:	26107 Da
Gene ID:	83853
NCBI Accession:	NP_001188395

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

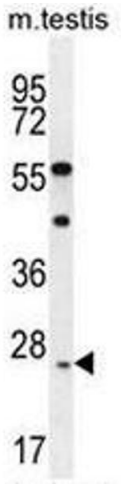
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ROPN1L Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ROPN1L Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. ROPN1L Antibody (N-term) western blot analysis in mouse testis tissue lysates (35µg/lane).This demonstrates the ROPN1L antibody detected the ROPN1L protein (arrow).