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

TEKT1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16728c

Product Information

Application	WB, E
Primary Accession	Q969V4
Other Accession	NP_444515.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36256
Calculated MW	48283
Antigen Region	252-281

Additional Information

Gene ID	83659
Other Names	Tektin-1, TEKT1
Target/Specificity	This TEKT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 252-281 amino acids from the Central region of human TEKT1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TEKT1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TEKT1
Function	Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme. Forms filamentous polymers in the walls of ciliary and flagellar microtubules.

Cellular Location	Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q32KZ9}
Tissue Location	Predominantly expressed in testis. Expressed in airway epithelial cells (PubMed:36191189)

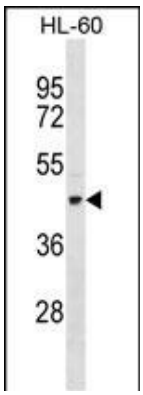
Background

This gene product belongs to the tektin family of proteins. Tektins comprise a family of filament-forming proteins that are coassembled with tubulins to form ciliary and flagellar microtubules. This gene is predominantly expressed in the testis and in mouse, tektin 1 mRNA was localized to the spermatocytes and round spermatids in the seminiferous tubules, indicating that it may play a role in spermatogenesis.

References

Newby, P.R., et al. Eur. J. Hum. Genet. 18(9):1021-1026(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Iguchi, N., et al. Mol. Hum. Reprod. 8(6):525-530(2002)
Xu, M., et al. Int. J. Biochem. Cell Biol. 33(12):1172-1182(2001)

Images



TEKT1 Antibody (Center) (Cat. #AP16728c) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the TEKT1 antibody detected the TEKT1 protein (arrow).

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