

TEKT2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19286a**Specification**

TEKT2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9UIF3
Other Accession	Q6AYM2 , Q4R5V1 , Q2T9Q6 , NP_055281.2
Reactivity	Human
Predicted	Bovine, Monkey, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49672
Antigen Region	103-132

TEKT2 Antibody (N-term) - Additional Information**Gene ID** 27285**Other Names**

Tektin-2, Tektin-t, Testicular tektin, Testicular tektin B1-like protein, TEKTB1, Tektin-B1, TEKT2

Target/Specificity

This TEKT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-132 amino acids from the N-terminal region of human TEKT2.

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

TEKT2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TEKT2 Antibody (N-term) - Protein Information**Name** TEKT2 ([HGNC:11725](#))

Function Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia and flagellar axoneme (PubMed:[36191189](#)). Plays a key role in the assembly or attachment of the inner dynein arm to microtubules in sperm flagella and tracheal cilia. Forms filamentous polymers in the walls of ciliary and flagellar microtubules.

Cellular Location

Cytoplasm, cytoskeleton, cilium axoneme. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q922G7}. Cytoplasm, cytoskeleton, microtubule organizing center {ECO:0000250|UniProtKB:Q922G7} Note=Colocalized with CCDC172 at the perinuclear region {ECO:0000250|UniProtKB:Q922G7}

Tissue Location

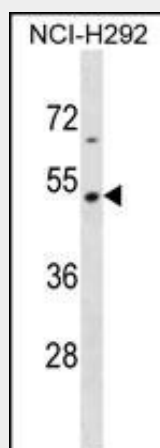
Expressed at high levels in testis, trachea and fetal lung, and at lower levels in ovary, pituitary, adult lung, fetal brain and fetal kidney.

TEKT2 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TEKT2 Antibody (N-term) - Images



TEKT2 Antibody (N-term)(Cat. #AP19286a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the TEKT2 antibody detected the TEKT2 protein (arrow).

TEKT2 Antibody (N-term) - 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 expressed in the testis and its protein is localized to the flagella of the sperms, indicating that it may

play a role in spermatogenesis.

TEKT2 Antibody (N-term) - References

Zuccarello, D., et al. Hum. Reprod. 23(4):996-1001(2008)
Tanaka, H., et al. Mol. Cell. Biol. 24(18):7958-7964(2004)
Iguchi, N., et al. Mol. Hum. Reprod. 8(6):525-530(2002)
Wolkowicz, M.J., et al. Biol. Reprod. 66(1):241-250(2002)