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TECT1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP4974c

Specification

TECT1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession	Q2MV58
Other Accession	NP_001076006

TECT1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 79600

Other Names
Tectonic-1, TCTN1, TECT1

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.

TECT1 Antibody (Center) Blocking Peptide - Protein Information

Name TCTN1

Synonyms TECT1

Function
Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Regulator of Hedgehog (Hh), required for both activation and inhibition of the Hh pathway in the patterning of the neural tube. During neural tube development, it is required for formation of the most ventral cell types and for full Hh pathway activation. Functions in Hh signal transduction to fully activate the pathway in the presence of high Hh levels and to repress the pathway in the absence of Hh signals. Modulates Hh signal transduction downstream of SMO and RAB23 (By similarity).

Cellular Location
Cytoplasm, cytoskeleton, cilium basal body. Secreted. Note=Despite the presence of a signal sequence, the full-length protein might not be secreted Localizes at the transition zone, a region between the basal body and the ciliary axoneme.

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TECT1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

TECT1 Antibody (Center) Blocking Peptide - Images

TECT1 Antibody (Center) Blocking Peptide - Background

TECT1 encodes a member of the tectonic family of secreted and transmembrane proteins. The orthologous gene in mouse is required for formation of most ventral cell types. It functions downstream of smoothened and rab23 to modulate hedgehog signal transduction.

TECT1 Antibody (Center) Blocking Peptide - References

Reiter, J.F., et al. Genes Dev. 20(1):22-27(2006)