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Rabbit Anti-TCTN2 antibody

SL12320R

Product Name:	TCTN2
Chinese Name:	结构蛋白家族2抗体
Alias:	C12orf38; FLJ12975; MKS8; OTTHUMP00000239215; OTTHUMP00000239216; Tctn2; TECT2; TECT2_HUMAN; Tectonic family member 2; Tectonic-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human TCTN2:61-160/697<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Defects in TCTN2 are the cause of Meckel syndrome type 8 (MKS8) [MIM:613885]. A disorder characterized by a combination of renal cysts and variably associated features including developmental anomalies of the central nervous system (typically encephalocele), hepatic ductal dysplasia and cysts, and polydactyly.

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Function:
Component of the tectonic-like complex, a complexlocalized at the transition zone of primary cilia and acting as abarrier that prevents diffusion of transmembrane proteins betweenthe cilia and plasma membranes. Required for hedgehog signalingtransduction (By similarity).

Subunit:
Part of the tectonic-like complex (also named B9 complex)(By similarity).

Subcellular Location:
Membrane; Single-pass type I membraneprotein (Potential). Cytoplasm, cytoskeleton, cilium basal body (Bysimilarity). Note=Localizes at the transition zone, a regionbetween the basal body and the ciliary axoneme (By similarity).

DISEASE:
Defects in TCTN2 are the cause of Meckel syndrome type 8(MKS8) [MIM:613885]. A disorder characterized by a combination ofrenal cysts and variably associated features includingdevelopmental anomalies of the central nervous system (typicallyencephalocele), hepatic ductal dysplasia and cysts, andpolydactyly. Note=Defects in TCTN2 may be a cause of Joubert syndrome,a disorder presenting with cerebellar ataxia, oculomotor apraxia,hypotonia, neonatal breathing abnormalities and psychomotor delay.Neuroradiologically, it is characterized by cerebellar vermianhypoplasia/aplasia, thickened and reoriented superior cerebellarpeduncles, and an abnormally large interpeduncular fossa, givingthe appearance of a molar tooth on transaxial slices (molar toothsign). Additional variable features include retinal dystrophy andrenal disease.

Similarity:
Belongs to the tectonic family.

SWISS:
Q96GX1

Gene ID:
79867

Database links:

Entrez Gene: 79867Human

Entrez Gene: 67978Mouse

Omim: 613846Human

SwissProt: Q96GX1Human

SwissProt: Q2MV57Mouse

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	Unigene: 167165Human Unigene: 93193Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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