

MKS1 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22331a

Product Information

Application	WB, E
Primary Accession	Q9NXB0
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB57949
Calculated MW	64528

Additional Information

Gene ID	54903
Other Names	Meckel syndrome type 1 protein, MKS1
Target/Specificity	This MKS1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 38-72 amino acids from the human region of human MKS1.
Dilution	WB~~1:2000 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	MKS1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MKS1
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. Involved in centrosome migration to the apical cell surface during early ciliogenesis. Required for ciliary structure and function, including a role in

regulating length and appropriate number through modulating centrosome duplication. Required for cell branching morphology.

Cellular Location

Cytoplasm, cytoskeleton, cilium basal body. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Localizes at the transition zone, a region between the basal body and the ciliary axoneme.

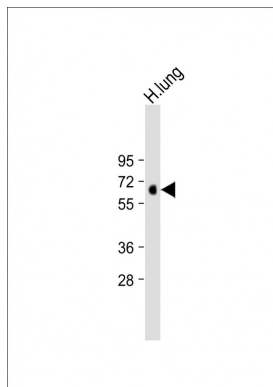
Background

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. Involved in centrosome migration to the apical cell surface during early ciliogenesis. Required for ciliary structure and function, including a role in regulating length and appropriate number through modulating centrosome duplication. Required for cell branching morphology.

References

Kyttaelae M.,et al.Nat. Genet. 38:155-157(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Dawe H.R.,et al.Hum. Mol. Genet. 16:173-186(2007).

Images



Anti-MKS1 Antibody (N-Term) at 1:2000 dilution + Human lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

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