

Rabbit MKS1 Polyclonal Antibody | anti-MKS1 antibody

MKS1 Antibody

CATALOG # AAA322854	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MKS1; Polyclonal Antibody; MKS1 Antibody; B8d3; BBS13; Dysencephalia splanchnocystica; FABB proteome like protein; FLJ20345; Gruber syndrome; Meckel gruber syndrome; Meckel gruber syndrome type 1; Meckel syndrome; Meckel syndrome type 1; Meckel syndrome type 1 protein; Meckel syndrome type 1 protein homolog; MES; MKS 1; MKS; Mks1; MKS1_HUMAN; POC12; POC12 centriolar protein homolog; anti-MKS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MKS1 antibody detects endogenous levels of MKS1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	549
Applicable Applications for anti-MKS1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MKS1.
Subcellular Location	Cytoplasm > Cytoskeleton > Cilium Basal Body. Cytoplasm > Cytoskeleton > Microtubule Organizing Center > Centrosome. Localizes at the transition zone, a region between the basal body and the ciliary axoneme.
Predicted Cross Reactivity	Bovine, Horse, Rabbit, Dog, Chicken
Similarity	Bovine (100%), Horse (100%), Rabbit (100%), Dog (100%), Chicken (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of mouse brain tissue, using MKS1 antibody.



IHC (Immunohistochemistry)

AAA322854 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MKS1 antibody	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. Subunit Structure: Part of the tectonic-like complex (also named B9 complex) (PubMed:26595381). Interacts with TMEM107 (PubMed:26595381). Interacts with TCTN3, AHI1, TCTN1, TCTN2, CC2D2A (By similarity). Interacts with FLNA (PubMed:22121117). Interacts with TMEM67 (PubMed:17185389). Interacts with B9D1 and B9D2 (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260064077
NCBI GeneID	54903
NCBI Accession #	NP_001159399.1
NCBI GenBank Nucleotide #	NM_001165927.1
UniProt Accession #	Q9NXB0; Q284T0; Q96G13; B7WNX4; F5H885
Molecular Weight	Observed: 65-70 kDa Predicted: 65 kDa
NCBI Official Full Name	Meckel syndrome type 1 protein isoform 2
NCBI Official Synonym Full Names	Meckel syndrome, type 1
NCBI Official Symbol	MKS1
NCBI Official Synonym Symbols	MES; MKS; BBS13; POC12; JBTS28
NCBI Protein Information	Meckel syndrome type 1 protein
UniProt Protein Name	Meckel syndrome type 1 protein
UniProt Gene Name	MKS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.