

SHROOM4 Rabbit pAb

SHROOM4 Rabbit pAb

Catalog # AP56708

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9ULL8
Predicted	Rat, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	164857
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SHROOM4
Epitope Specificity	551-650/1493
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm > cytoskeleton. Shows partial colocalization with the cytoplasmic pool of F-actin.
DISEASE	Defects in SHROOM4 are the cause of mental retardation syndromic X-linked Stocco dos Santos type (SDSX) [MIM:300434]. A syndrome characterized by severe mental retardation with hyperactivity, aggressive behavior, delayed or no speech, and seizures. Additional features include congenital bilateral hip luxation, short stature, and kyphosis. Note=A chromosomal aberration involving SHROOM4 is a cause of X-linked mental retardation (XLMR). Translocation t(X;8)(p11.22;p23.3) with FBXO25. Note=A chromosomal aberration involving SHROOM4 is a cause of X-linked mental retardation (XLMR). Translocation t(X;19).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the APX/Shroom family, which contain an N-terminal PDZ domain and a C-terminal ASD2 motif. The encoded protein may play a role in cytoskeletal architecture. Mutations in this gene have been linked to Stocco dos Santos X-linked mental retardation syndrome. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

Additional Information

Gene ID	57477
Other Names	Protein Shroom4, Second homolog of apical protein, SHROOM4, KIAA1202, SHAP
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
----------------	---

Protein Information

Name	SHROOM4
Synonyms	KIAA1202, SHAP
Function	Probable regulator of cytoskeletal architecture that plays an important role in development. May regulate cellular and cytoskeletal architecture by modulating the spatial distribution of myosin II (By similarity).
Cellular Location	Cytoplasm, cytoskeleton. Note=Shows partial colocalization with the cytoplasmic pool of F-actin
Tissue Location	Expressed in all fetal and adult tissues investigated. Expressed in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. In brain regions detected in cerebellum, cerebral cortex, medulla, spinal cord, occipital pole, frontal lobe, temporal lobe and putamen. The expression is strongest in the medulla and weakest in the cerebral cortex

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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