

Shroom 3 Rabbit pAb

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Catalog # AP56707

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TF72
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	216857
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Shroom 3
Epitope Specificity	101-200/1996
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	Cell junction; adherens junction. Cytoplasm > cytoskeleton. Colocalizes with F-actin in stress fibers and adherens junctions.
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 PDZ-domain-containing protein that belongs to a family of Shroom-related proteins. This protein may be involved in regulating cell shape in certain tissues. A similar protein in mice is required for proper neurulation. [provided by RefSeq, Jan 2011]

Additional Information

Gene ID	57619
Other Names	Protein Shroom3, Shroom-related protein, hShrmL, SHROOM3, KIAA1481, SHRML
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	SHROOM3
Synonyms	KIAA1481, SHRML

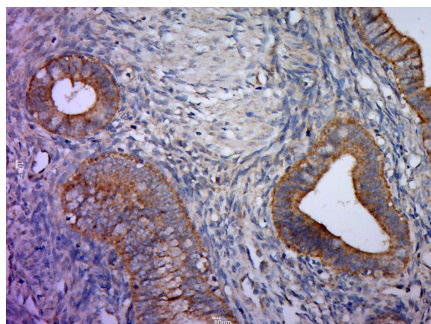
Function Controls cell shape changes in the neuroepithelium during neural tube closure. Induces apical constriction in epithelial cells by promoting the apical accumulation of F-actin and myosin II, and probably by bundling stress fibers (By similarity). Induces apicobasal cell elongation by redistributing gamma-tubulin and directing the assembly of robust apicobasal microtubule arrays (By similarity).

Cellular Location Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9QXN0}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9QXN0}. Apical cell membrane {ECO:0000250|UniProtKB:Q9QXN0}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9QXN0}. Note=Colocalizes with F-actin in stress fibers and adherens junctions. {ECO:0000250|UniProtKB:Q9QXN0}

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Shroom family member 3; Shroom 3) Polyclonal Antibody, Unconjugated (AP56707) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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