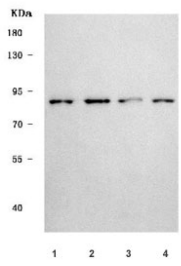
SHROOM1 Antibody / APXL2 (RQ7651)

Catalog No.	Formulation	Size
RQ7651	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q2M3G4
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SHROOM1 antibody is available for research use only.



Western blot testing of 1) human MCF7, 2) human placenta, 3) rat liver and 4) mouse liver tissue lysate with SHROOM1 antibody. Predicted molecular weight ~91 kDa.

Description

SHROOM family members play diverse roles in the development of the nervous system and other tissues. SHROOM1 is a PDZ domain-containing actin-binding protein that is required for neural tube morphogenesis. It facilitates neurulation by regulating the morphology of neurepithelial cells via the apical positioning of an actomyosin network in the neurepithelium. SHROOM1 is also expressed in pulmonary arterial smooth muscle cells and its expression is significantly decreased in mouse and human models of pulmonary arterial hypertension, suggesting that there may be a link between SHROOM1 expression and pulmonary arterial hypertension.

Application Notes

Optimal dilution of the SHROOM1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R371-D807) was used as the immunogen for the SHROOM1 antibody.

Storage

After reconstitution, the SHROOM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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