Datasheet for ABIN7601525

anti-SHROOM1 antibody (AA 371-807)

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Overview

Quantity:	100 µg
Target:	SHROOM1
Binding Specificity:	AA 371-807
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHROOM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-SHROOM1 Antibody Picoband®
Immunogen:	E.coli-derived human SHROOM1 recombinant protein (Position: R371-D807).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SHROOM1 Antibody Picoband® (ABIN7601525). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SHROOM1
Alternative Name:	SHROOM1 (SHROOM1 Products)
Background:	Synonyms: Mediator of RNA polymerase II transcription subunit 9, Mediator complex subunit 9, MED9, MED25, Tissue Specificity: Expressed in fetal brain, fetal lung, fetal liver, heart, brain, placenta, lung, liver, muscle, kidney and pancreas. Background: 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.
Molecular Weight:	91 kDa
Gene ID:	134549
UniProt:	Q2M3G4

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Hagens, O., Ballabio, A., Kalscheuer, V., Kraehenbuhl, J.-P., Schiaffino, M. V., Smith, P., Staub, O., Hildebrand, J., Wallingford, J. B. A new standard nomenclature for proteins related to Apx and Shroom. BMC Cell Biol. 7: 18, 2006. Note: Electronic Article. 2. Lee, C., Scherr, H. M., Wallingford, J. B. Shroom family proteins regulate gamma-tubulin distribution and microtubule architecture during epithelial cell shape change. Development 134: 1431-1441, 2007. 3. Nagase, T., Kikuno, R., Ohara, O. Prediction of the coding sequences of unidentified human genes. XXII. The complete sequences of 50 new cDNA clones which code for large proteins. DNA Res. 8: 319-327, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.