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Datasheet for ABIN4996747

anti-SHROOM2 antibody (AA 701-850) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	SHROOM2
Binding Specificity:	AA 701-850
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHROOM2 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human APXL
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	SHROOM2
Alternative Name:	APXL (SHROOM2 Products)
Background:	Synonyms: Apical like protein, Apical like protein APXL protein, apical protein of Xenopus-like,

Target Details

Apical protein *Xenopus laevis* like, apical protein, *Xenopus laevis*-like, apical protein-like, apical protein-like *Xenopus laevis*, Apical-like protein, APX homolog of *Xenopus*, C630003H05Rik, DKFZp781J074, FLJ39277, HSAPXL, Liver regeneration-related protein LRRG167, Protein Apxl, Protein Shroom2, Shrm2, SHRM2_HUMAN, SHROOM 2, Shroom family member 2, shroom2.

Background: APXL is a 1,616 amino acid protein that localizes to a variety of locations within the cell, including the cytoplasm, the cytoskeleton, the cell junction and the apical cell membrane. Containing one ASD1 domain, one ASD2 domain and one PDZ domain, APXL interacts with F-Actin and is thought to mediate endothelial cell morphology during cell spreading, possibly regulating melanosome biogenesis and inducing α -Tubulin redistribution. APXL is expressed in kidney, brain, lung, pancreas and placenta and is overexpressed in melanomas, suggesting a role in tumor transformation and metastasis. The gene encoding APXL maps to human chromosome X, which contains nearly 153 million base pairs and houses over 1,000 genes. In conjunction with chromosome Y, chromosome X is responsible for sex determination. There are a number of conditions related to an abnormal number and combination of sex chromosomes, some of which include Turner's syndrome, color blindness, hemophilia and Duchenne muscular dystrophy.

Pathways: [Cell-Cell Junction Organization](#), [Asymmetric Protein Localization](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 μ g/ μ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months