

For Research Use Only

SMO Monoclonal antibody

Catalog Number: 66851-2-Ig



Basic Information

Catalog Number: 66851-2-Ig	GenBank Accession Number: BC009989	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop and 1100 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6608	CloneNo.: 2A11A10
Source: Mouse	UNIPROT ID: Q99835	Recommended Dilutions: IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: smoothened homolog (Drosophila)	
Immunogen Catalog Number: AG25861	Calculated MW: 787 aa, 86 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : MDCK cells,
Species Specificity: Human, Canine	

Background Information

Smoothened (SMO) is a G protein-coupled receptor that is a component of the hedgehog (Hh) signaling pathway and is conserved from flies to humans. The Hh pathway plays central roles in animal development and stem-cell function. Defects in Hh signalling lead to birth defects and cancer in humans. Expressed on the primary cilium, SMO interacts with the patched protein, a receptor for Hh proteins.

Storage

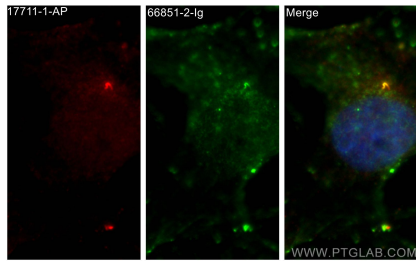
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MDCK cells using SMO antibody (66851-2-Ig, Clone: 2A11A10) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), ARL13B antibody (17711-1-AP, red).