

For Research Use Only

CoraLite® Plus 488-conjugated SMO Monoclonal antibody



Catalog Number: **CL488-66851**

Basic Information

Catalog Number: CL488-66851	GenBank Accession Number: BC009989	Purification Method: Protein A purification
Size: 2000 µg/ml	GeneID (NCBI): 6608	CloneNo.: 2B10A11
Source: Mouse	UNIPROT ID: Q99835	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: smoothened homolog (Drosophila)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG25861	Calculated MW: 787 aa, 86 kDa	

Applications

Tested Applications: IF/ICC	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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

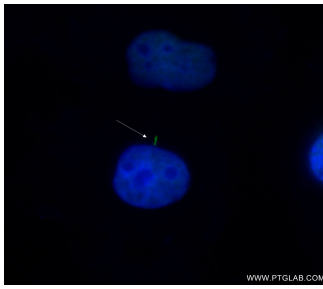
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed MDCK cells using CL488-66851 (SMO antibody) at dilution of 1:100.