

For Research Use Only

CoraLite® Plus 488-conjugated SMURF2 Recombinant antibody

Catalog Number: CL488-84445



Basic Information

Catalog Number: CL488-84445	GenBank Accession Number: BC093876	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 64750	CloneNo.: 241486F3
Source: Rabbit	UNIPROT ID: Q9HAU4	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: SMAD specific E3 ubiquitin protein ligase 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG33419	Calculated MW: 748 aa, 86 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

Background Information

SMURF2 is a HECT domain E3 ubiquitin ligase involved in degradation of SMADs, TGF-beta receptor, and other substrates. It also functions in regulation of neuronal and planar cell polarity, induction of senescence, and tumor suppression (PMID:22231558). SMURF2 associates constitutively with SMAD7 and it is nuclear, but binding to SMAD7 induces export and recruitment to activated TGFBR, where it causes degradation of receptors and of SMAD7 via proteasomal and lysosomal pathways (PMID:11163210).

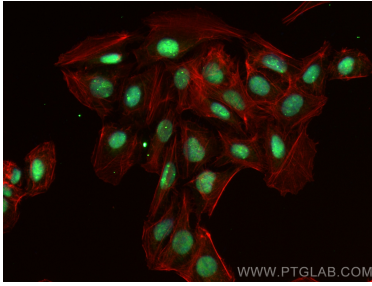
Storage

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:
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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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 (4% PFA) fixed U2OS cells using CoraLite® Plus 488 SMURF2 antibody (CL488-84445, Clone: 241486F3) at dilution of 1:200, CL594-Phalloidin (red).