

For Research Use Only

SMURF2 Recombinant antibody

Catalog Number: 84445-1-RR



Basic Information

Catalog Number: 84445-1-RR	GenBank Accession Number: BC093876	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 64750	CloneNo.: 241486F3
Source: Rabbit	UNIPROT ID: Q9HAU4	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: SMAD specific E3 ubiquitin protein ligase 2	
Immunogen Catalog Number: AG33419	Calculated MW: 748 aa, 86 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	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 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. 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

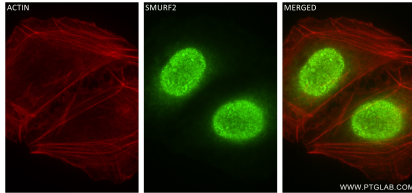
For technical support and original validation data for this product please contact:

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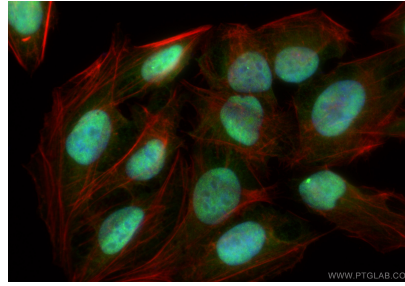
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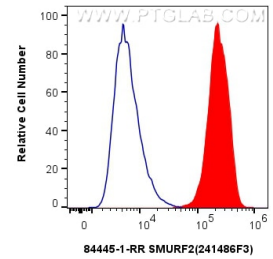
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using SMURF2 antibody (84445-1-RR, Clone: 241486F3) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using SMURF2 antibody (84445-1-RR, Clone: 241486F3) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug SMURF2 Recombinant antibody (84445-1-RR, Clone:241486F3) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).