

For Research Use Only

CoraLite® Plus 488-conjugated SMURF2 Recombinant antibody

Catalog Number:CL488-84445



Basic Information

Catalog Number:

CL488-84445

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33419

GenBank Accession Number:

BC093876

GeneID (NCBI):

64750

UNIPROT ID:

Q9HAU4

Full Name:

SMAD specific E3 ubiquitin protein

ligase 2

Calculated MW:

748 aa, 86 kDa

Purification Method:

Protein A purification

CloneNo.:

241486F3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

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 (PMIF: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:

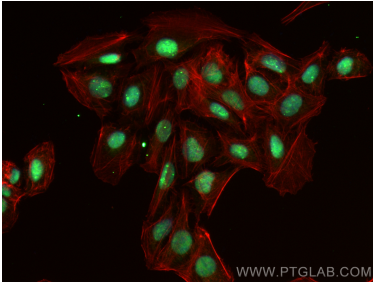
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).