

For Research Use Only

SMURF1 Recombinant monoclonal antibody

Catalog Number: 87769-1-RR

1 Publications



Basic Information

Catalog Number:

87769-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_020429

GeneID (NCBI):

57154

UNIPROT ID:

Q9HCE7

Full Name:

SMAD specific E3 ubiquitin protein
ligase 1

Calculated MW:

86 kDa

Observed MW:

90-100 kDa

Purification Method:

Protein A purification

CloneNo.:

253294A3

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, MCF-7 cells, A549 cells,
NIH/3T3 cells, PC-12 cells, mouse testis tissue

Background Information

SMURF1, also named as KIAA1625, is E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. SMURF1 interacts with receptor-regulated SMADs specific for the BMP pathway, SMAD1 and SMAD5, in order to trigger their ubiquitination and degradation and hence their inactivation. The antibody is specific to SMURF1. SMURF1 can be detected as 90-100 kDa when ubiquitinated (PMID:17576816, PMID:20484049).

Notable Publications

Author	Pubmed ID	Journal	Application
Honghao Yu	42320699	Biochem Pharmacol	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

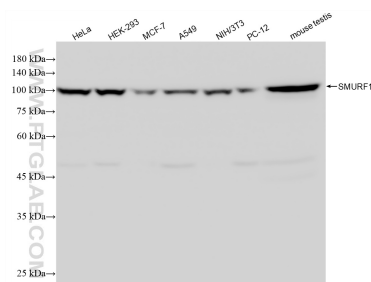
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87769-1-RR (SMURF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.