

For Research Use Only

# SMURF1 Polyclonal ANTIBODY



Catalog Number: 55175-1-AP

Featured Product

4 Publications

## Basic Information

Catalog Number:

55175-1-AP

Size:

150UL, Concentration: 900 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_020429

GeneID (NCBI):

57154

Full Name:

SMAD specific E3 ubiquitin protein ligase 1

Calculated MW:

86 kDa

Observed MW:

83-90 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

## Applications

Tested Applications:

IHC, ELISA

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : human colon cancer 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ling Guo	31578224	J Cell Biol	
Hui Song	26895833	J Immunol	WB
Di Wang	32059163	Ecotoxicol Environ Saf	WB

## Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

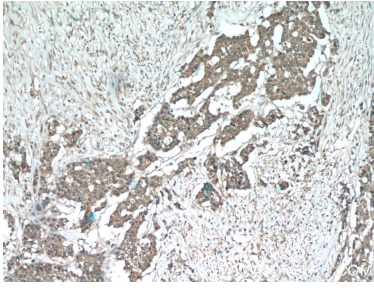
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

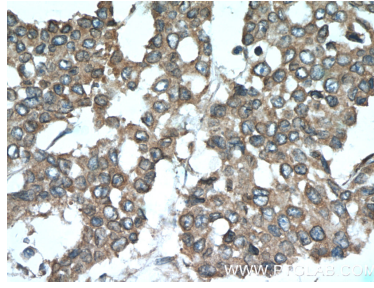
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55175-1-AP (SMURF1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 55175-1-AP (SMURF1 Antibody) at dilution of 1:50 (under 40x lens).