

For Research Use Only

SMURF1 Monoclonal antibody

Catalog Number: 68466-1-Ig



Basic Information

Catalog Number:

68466-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30891

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:

86 kDa

Purification Method:

Protein A purification

CloneNo.:

2A7E4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB: LNCaP cells, HeLa cells, HEK-293 cells, MCF-7 cells, A549 cells, U2OS cells, NIH/3T3 cells

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. SMURF1 can be detected as 90-100 kDa when ubiquitinated (PMID:17576816, PMID:20484049).

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

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

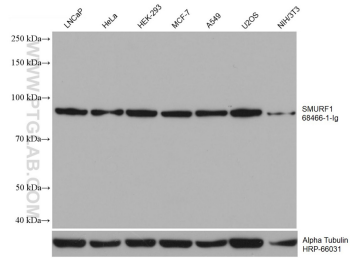
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68466-1-Ig (SMURF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.