

For Research Use Only

SMURF1 Monoclonal antibody, PBS Only



Catalog Number: 68466-1-PBS

Basic Information

Catalog Number: 68466-1-PBS	GenBank Accession Number: NM_020429	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 57154	CloneNo.: 2A7E4
Source: Mouse	UNIPROT ID: Q9HCE7	
Isotype: IgG1	Full Name: SMAD specific E3 ubiquitin protein ligase 1	
Immunogen Catalog Number: AG30891	Calculated MW: 86 kDa	
	Observed MW: 86 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

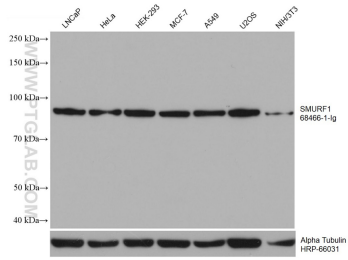
T: 4006900926

E: Proteintech-CN@ptglab.com

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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



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. This data was developed using the same antibody clone with 68466-1-PBS in a different storage buffer formulation.