

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: 100ug , Concentration: 1 mg/ml by Nanodrop;	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

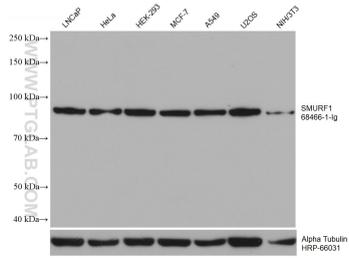
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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