

For Research Use Only

SMURF1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87769-1-PBS



Basic Information

Catalog Number: 87769-1-PBS	GenBank Accession Number: NM_020429	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 57154	CloneNo.: 253294A3
Source: Rabbit	UNIPROT ID: Q9HCE7	
Isotype: IgG	Full Name: SMAD specific E3 ubiquitin protein ligase 1	
	Calculated MW: 86 kDa	
	Observed MW: 90-100 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. The antibody is specific to SMURF1. SMURF1 can be detected as 90-100 kDa when ubiquitinated (PMID:17576816, PMID:20484049).

Storage

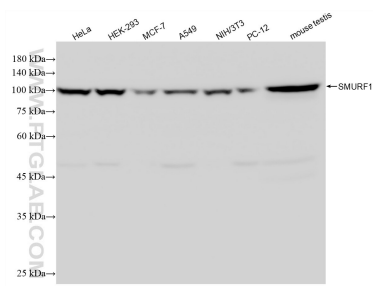
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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 87769-1-RR (SMURF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87769-1-PBS in a different storage buffer formulation.