

Mouse anti-Human, Mouse SMURF1 Monoclonal Antibody | anti-SMURF1 antibody

SMURF1 (E3 Ubiquitin-protein Ligase SMURF1, hSMURF1, SMAD Ubiquitination Regulatory Factor 1, KIAA1625, SMAD-specific E3 Ubiquitin-protein Ligase 1) (HRP)

CATALOG # AAA25549	HOST Mouse	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot
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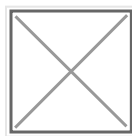
PRODUCT SYNONYMS

SMURF1; Monoclonal Antibody; SMURF1 (E3 Ubiquitin-protein Ligase SMURF1; hSMURF1; SMAD Ubiquitination Regulatory Factor 1; KIAA1625; SMAD-specific E3 Ubiquitin-protein Ligase 1) (HRP); EC=6.3.2.-; anti-SMURF1 antibody

PRODUCT SPECIFICATIONS

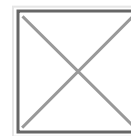
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1D7
Specificity	Recognizes human SMURF1. Species Crossreactivity: mouse.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-SMURF1 antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IHC-P: 2ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa165-269 from human SMURF1 (NP_065162) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DSGPGRPLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQRLRNPDRVRLQTPQNRPHGHQSPELPEGYEQRRTTVQGQVYFLHTQTGVS
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

SMURF1 monoclonal antibody, Western Blot analysis of SMURF1 expression in HeLa.



WB (Western Blot)

Western Blot detection against Immunogen (37.55kD).



Application Data

Detection limit for recombinant GST tagged SMURF1 is ~0.1ng/ml as a capture antibody.



IP (Immunoprecipitation)

Immunoprecipitation of SMURF1 transfected lysate using SMURF1 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with SMURF1 rabbit polyclonal antibody.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to SMURF1 on HeLa cell. [antibody concentration 10ug/ml].



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to SMURF1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 2ug/ml].

ADDITIONAL INFORMATION

Product Categories/Family for anti-SMURF1 antibody

Antibodies; Ubiquitin Ligases

NCBI AND UNIPROT INFORMATION

NCBI GI #	31317292
NCBI GeneID	57154
NCBI Accession #	NP_065162
NCBI GenBank Nucleotide #	NM_020429
Molecular Weight	Predicted: 80; 83 kDa Observed: 78 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase SMURF1 isoform 1
NCBI Official Synonym Full Names	SMAD specific E3 ubiquitin protein ligase 1
NCBI Official Symbol	SMURF1
NCBI Protein Information	E3 ubiquitin-protein ligase SMURF1; hSMURF1; E3 ubiquitin ligase SMURF1; Smad-specific E3 ubiquitin ligase 1; Smad ubiquitination regulatory factor 1; SMAD-specific E3 ubiquitin-protein ligase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/smurf1-antibody-clone-1d7-immunohistochemistry-immunoprecipitation-western-blot-elisa/25549>