

Rabbit SMURF1 Polyclonal Antibody | anti-SMURF1 antibody

SMURF1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40801	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SMURF1; Polyclonal Antibody; SMURF1 Antibody; SMAD specific E3 ubiquitin protein ligase 1; SMAD ubiquitination regulatory factor 1; E3 ubiquitin-protein ligase SMURF1; anti-SMURF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMURF1 antibody is human, mouse and rat reactive. At least three isoforms of SMURF1 are known to exist this antibody will recognize all three isoforms. SMURF1 is predicted to not cross-react with SMURF2.
Purity/Purification	SMURF1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	757
Applicable Applications for anti-SMURF1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	SMURF1 antibody was raised against a 16 amino acid peptide near the amino terminus of human SMURF1.
Buffer	SMURF1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SMURF1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SMURF1 in rat kidney tissue with SMURF1 antibody at 5 μg/ml.



WB (Western Blot)

Western blot analysis of SMURF1 in 293 cell lysate with SMURF1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SMURF1 antibody	SMURF1 (SMAD ubiquitin regulatory factor 1) is a negative regulator of TGF-beta signaling (1). SMURF1 and SMURF2 are members of HECT domain E3 ubiquitin ligase which are involved in the enzymatic reactions of the Ub conjugating pathway (1,2). SMURF1 negatively regulates osteoblast activity and response to bone morphogenesis protein (BMP) through controlling MEKK2 degradation (3). SMURF1 has recently been shown to play a role in breast cancer cell migration and invasion through the downregulation of RhoA (4).
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	31317292
NCBI GeneID	57154
NCBI Accession #	NP_065162
NCBI GenBank Nucleotide #	NM_020429.2
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
UniProt Protein Name	E3 ubiquitin-protein ligase SMURF1
UniProt Gene Name	SMURF1
UniProt Synonym Gene Names	KIAA1625; hSMURF1
UniProt Entry Name	SMUF1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smurf1-antibody-immunohistochemistry-western-blot-elisa/40801>