

Rabbit SMURF2 Polyclonal Antibody | anti-SMURF2 antibody

SMURF2 Antibody

CATALOG # AAA10972	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunofluorescence
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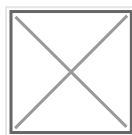
PRODUCT SYNONYMS

SMURF2; Polyclonal Antibody; SMURF2 Antibody; E3 ubiquitin-protein ligase SMURF2; SMAD ubiquitination regulatory factor 2; hSMURF2; SMAD specific E3 ubiquitin protein ligase 2; anti-SMURF2 antibody

PRODUCT SPECIFICATIONS

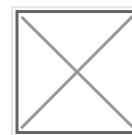
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SMURF2 antibody is human, mouse and rat reactive. SMURF2 is predicted to not cross-react with SMURF1.
Purity/Purification	SMURF2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	748
Applicable Applications for anti-SMURF2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	SMURF2 antibody can be used for detection of SMURF2 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.
Conjugate	Unconjugated
Immunogen	SMURF2 antibody was raised against a 17 amino acid peptide near the amino terminus of human SMURF2.
Buffer	SMURF2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	SMURF2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SMURF2 in human uterus tissue with SMURF2 antibody at 2 ug/ml



IF (Immunofluorescence)

Immunofluorescence of SMURF2 in mouse liver tissue with SMURF2 antibody at 20 ug/ml.
Green: SMURF2 Antibody (AAA10972) Blue: DAPI staining.

**IHC (Immunohistochemistry)**

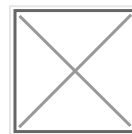
Immunohistochemistry of SMURF2 in mouse liver tissue with SMURF2 antibody at 20 µg/ml.

**IF (Immunofluorescence)**

Immunofluorescence of SMURF2 in human uterus tissue with SMURF2 antibody at 20 µg/ml. Green: SMURF2 Antibody (AAA10972) Blue: DAPI staining

**IF (Immunofluorescence)**

Immunofluorescence of SMURF2 in mouse liver tissue with SMURF2 antibody at 20 µg/ml.

**IHC (Immunohistochemistry)**

Immunohistochemistry of SMURF2 in mouse liver tissue with SMURF2 antibody at 5 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SMURF2 antibody

SMURF2 (SMAD ubiquitin regulatory factor 2) 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). SMURF2 is widely expressed and was initially identified as an inhibitor of TGF-beta/BMP signaling by targeting R-Smads and TGF type I receptor for ubiquitination and degradation (3). Studies have shown that SMURF2 functions as a tumor suppressor by maintaining genomic stability through targeting RNF20 (3). SMURF2 associates constitutively with SMAD7 (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	12232397
NCBI GeneID	64750
NCBI Accession #	NP_073576
NCBI GenBank Nucleotide #	NM_022739.3
UniProt Accession #	Q9HAU4; Q52LL1; Q9H260
Molecular Weight	Predicted: 82 kDa Observed: 85 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase SMURF2
NCBI Official Synonym Full Names	SMAD specific E3 ubiquitin protein ligase 2
NCBI Official Symbol	SMURF2
NCBI Protein Information	E3 ubiquitin-protein ligase SMURF2; hSMURF2; E3 ubiquitin ligase SMURF2; SMAD ubiquitination regulatory factor 2; SMAD-specific E3 ubiquitin-protein ligase 2
UniProt Protein Name	E3 ubiquitin-protein ligase SMURF2
UniProt Gene Name	SMURF2
UniProt Synonym Gene Names	hSMURF2
UniProt Entry Name	SMUF2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smurf2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10972>