

anti-Human, Rat SMURF1 Polyclonal Antibody | anti-SMURF1 antibody

Anti-SMURF1 Antibody

CATALOG # AAA46232	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

SMURF1; Polyclonal Antibody; Anti-SMURF1 Antibody; E3 ubiquitin-protein ligase SMURF1; hSMURF1; KIAA1625; Smad specific E3 ubiquitin ligase 1; SMAD specific E3 ubiquitin protein ligase 1; Smad ubiquitination regulatory factor 1; SMAD-specific E3 ubiquitin-protein ligase 1; SMUF1_HUMAN; SMURF 1; smurf1; anti-SMURF1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Concentration	1 mg/ml (varies by lot)
Sequence Length	728
Applicable Applications for anti-SMURF1 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of SMURF1 expression in rat brain extract (lane 1) and MCF-7 whole cell lysates (lane 2). SMURF1 at 86KD was detected using rabbit anti- SMURF1 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-SMURF1 antibody	Description: Rabbit IgG polyclonal antibody for E3 ubiquitin-protein ligase SMURF1(SMURF1) detection. Tested with WB in Human;Rat. Background: E3 ubiquitin-protein ligase SMURF1 is an enzyme that in humans is encoded by the SMURF1 gene. It is mapped to 7q22.1. This gene encodes a ubiquitin ligase that is specific for receptor-regulated SMAD proteins in the bone morphogenetic protein (BMP) pathway. This protein plays a key roll in the regulation of cell motility, cell signalling, and cell polarity. Alternative splicing results in multiple transcript variants encoding different isoforms.
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References	1. "Entrez Gene: SMURF1 SMAD specific E3 ubiquitin protein ligase 1". 2. Yamaguchi K, Ohara O, Ando A, Nagase T (Apr 2008). "Smurf1 directly targets hPEM-2, a GEF for Cdc42, via a novel combination of protein interaction modules in the ubiquitin-proteasome pathway". Biol. Chem. 389 (4): 405-13. 3. Zhu H, Kavsak P, Abdollah S, Wrana JL, Thomsen GH (Sep 1999). "A SMAD ubiquitin ligase targets the BMP pathway and affects embryonic pattern formation". Nature 400 (6745): 687-93.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315434204
NCBI GeneID	57154
NCBI Accession #	NP_001186776.1
NCBI GenBank Nucleotide #	NM_001199847.1
UniProt Accession #	Q9HCE7; O75853; Q547Q3; Q9UJT8; A4D279; B7ZMB6; B9EGV3
Molecular Weight	83,440 Da
NCBI Official Full Name	E3 ubiquitin-protein ligase SMURF1 isoform 3
NCBI Official Synonym Full Names	SMAD specific E3 ubiquitin protein ligase 1
NCBI Official Symbol	SMURF1
NCBI Protein Information	E3 ubiquitin-protein ligase SMURF1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smurf1-antibody-western-blot-elisa/46232>