

SMURF1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2463a**Specification**

SMURF1 Antibody (internal region) - Product Information

Application	E
Primary Accession	O9HCE7
Other Accession	NP_065162.1 , NP_851994.1 , 57154
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	86114

SMURF1 Antibody (internal region) - Additional Information**Gene ID** 57154**Other Names**

E3 ubiquitin-protein ligase SMURF1, hSMURF1, 6.3.2.-, SMAD ubiquitination regulatory factor 1, SMAD-specific E3 ubiquitin-protein ligase 1, SMURF1, KIAA1625

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SMURF1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SMURF1 Antibody (internal region) - Protein Information**Name** SMURF1**Synonyms** KIAA1625**Function**

E3 ubiquitin-protein ligase that acts as a negative regulator of BMP signaling pathway. Mediates ubiquitination and degradation of SMAD1 and SMAD5, 2 receptor-regulated SMADs specific for the BMP pathway. Promotes ubiquitination and subsequent proteasomal degradation of TRAF family members and RHOA. Promotes ubiquitination and subsequent proteasomal degradation of MAVS (PubMed:23087404).

Acts as an antagonist of TGF-beta signaling by ubiquitinating TGFBR1 and targeting it for degradation (PubMed:21791611). Plays a role in dendrite formation by melanocytes (PubMed:23999003).

Cellular Location

Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side

Tissue Location

Expressed in melanocytes (PubMed:23999003).

SMURF1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SMURF1 Antibody (internal region) - Images**SMURF1 Antibody (internal region) - Background**

This antibody is expected to recognise both reported isoforms (NP_065162.1 and NP_851994.1).

SMURF1 Antibody (internal region) - References

Regulation of the polarity protein Par6 by TGFbeta receptors controls epithelial cell plasticity. Ozdamar B, Bose R, Barrios-Rodiles M, Wang HR, Zhang Y, Wrana JL. Science. 2005 Mar 11;307(5715):1603-9. PMID: 15761148