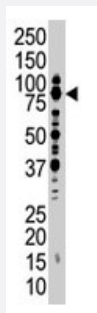


SMURF1 polyclonal antibody

Catalog # PAB1746

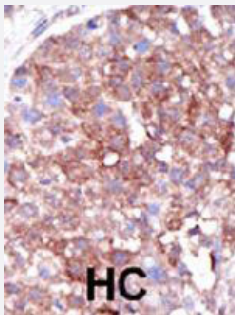
Size 400 uL

Applications



Western Blot (Cell lysate)

The SMURF1 polyclonal antibody (Cat # PAB1746) is used in Western blot to detect SMURF1 in HL-60 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with SMURF1 polyclonal antibody (Cat # PAB1746), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SMURF1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human SMURF1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

The SMURF1 polyclonal antibody (Cat # PAB1746) is used in Western blot to detect SMURF1 in HL-60 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with SMURF1 polyclonal antibody (Cat # PAB1746), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Gene Info — SMURF1

Entrez GeneID	57154
Protein Accession#	Q9HCE7
Gene Name	SMURF1
Gene Alias	KIAA1625
Gene Description	SMAD specific E3 ubiquitin protein ligase 1
Omim ID	605568
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a ubiquitin ligase that is specific for receptor-regulated SMAD proteins in the bone morphogenetic protein (BMP) pathway. A similar protein in Xenopus is involved in embryonic pattern formation. Alternative splicing results in multiple transcript variants encoding different isoforms. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]
Other Designations	E3 ubiquitin ligase SMURF1 Smad ubiquitination regulatory factor 1 Smad-specific E3 ubiquitin ligase 1

Publication Reference

- [The interaction of mPar3 with the ubiquitin ligase Smurf2 is required for the establishment of neuronal polarity.](#)

Jens C Schwamborn, Mohammad R Khazaei, Andreas W Puschel.

The Journal of Biological Chemistry 2015 Jun; 290(25):15391.

Application: IF, WB-Ce, Rat, Rat embryos, Rat hippocampal neurons

Pathway

- [Endocytosis](#)
- [TGF-beta signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)