

SMURF1 rabbit monoclonal antibody

Catalog # H00057154-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SMURF1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SMURF1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SMURF1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SMURF1

Entrez GeneID	57154
GeneBank Accession#	SMURF1
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

Pathway

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