

Product Name: KD-Validated SMURF2 Mouse Monoclonal Antibody**Catalog #: KVA00599**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 86.2kDa

Antigen Information

Gene Name	SMURF2
Alternative Names	SMURF2; SMAD Specific E3 Ubiquitin Protein Ligase 2; HECT-Type E3 Ubiquitin Transferase SMURF2; SMAD Ubiquitination Regulatory Factor 2; E3 Ubiquitin-Protein Ligase SMURF2; HSMURF2; SMAD-Specific E3 Ubiquitin-Protein Ligase 2; E3 Ubiquitin Ligase SMURF2; EC 2.3.2.26; EC 6.3.2
Gene ID	64750.0
SwissProt ID	Q9HAU4
Immunogen	Recombinant protein of human Smurf2

Background

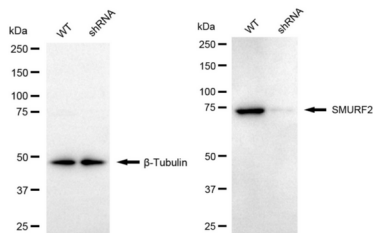
Enables SMAD binding activity; identical protein binding activity; and ubiquitin protein ligase activity. Involved in negative

regulation of transforming growth factor beta receptor signaling pathway; positive regulation of trophoblast cell migration; and ubiquitin-dependent protein catabolic process. Located in nuclear speck. Part of ubiquitin ligase complex. [provided by Alliance of Genome Resources, Jul 2025]

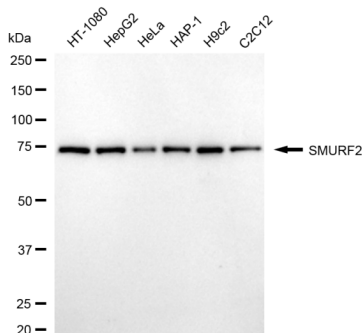
Research Area

Epigenetics and Nuclear Signaling, Stem Cells

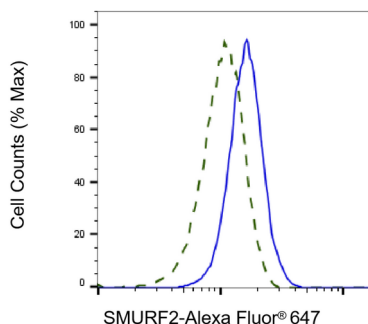
Image Data



Western blotting analysis using SMURF2 antibody (KVA00599). SMURF2 expression in wild-type (WT) and SMURF2 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with SMURF2 antibody (KVA00599, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using SMURF2 antibody (KVA00599). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SMURF2 antibody (KVA00599, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively. SMURF2, SMAD specific E3 ubiquitin protein ligase 2.



Validation of SMURF2 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with SMURF2 antibody (KVA00599, 1:2,000) and analyzed using BD flow cytometer.