

SMURF2 Rabbit mAb

Catalog No.: A2278 **Recombinant** **4 Publications**

Basic Information

Observed MW

80kDa

Calculated MW

86kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse

CloneNo number

ARC1897

Background

Enables SMAD binding activity; identical protein binding activity; and ubiquitin-protein transferase activity. Involved in negative regulation of transforming growth factor beta receptor signaling pathway; positive regulation of trophoblast cell migration; and ubiquitin-dependent SMAD protein catabolic process. Located in nuclear speck. Part of ubiquitin ligase complex.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells

Immunogen Information

Gene ID

64750

Swiss Prot

Q9HAU4

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 201-290 of human SMURF2 (Q9HAU4).

Synonyms

SMURF2; E3 ubiquitin-protein ligase SMURF2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

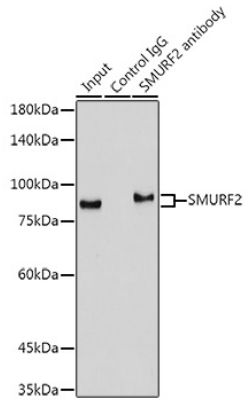
Affinity purification

Storage

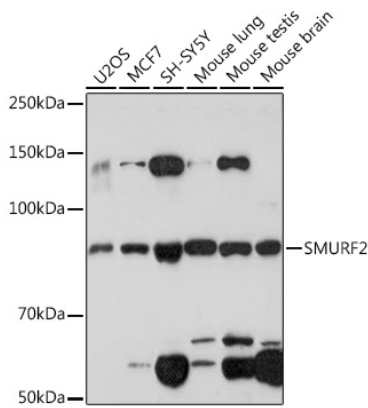
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

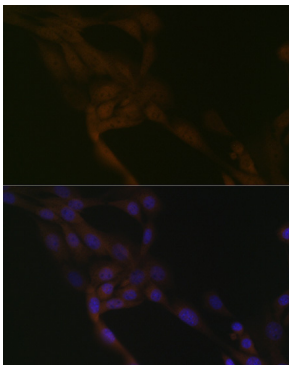
Validation Data



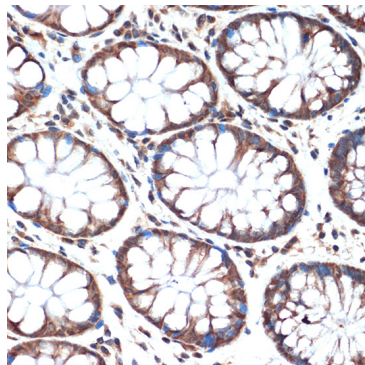
Immunoprecipitation analysis of 300 µg extracts of Mouse lung using 3 µg SMURF2 antibody (A2278). Western blot was performed from the immunoprecipitate using SMURF2 antibody (A2278) at a dilution of 1:1000.



Western blot analysis of various lysates using SMURF2 Rabbit mAb (A2278) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3min.



Immunofluorescence analysis of NIH-3T3 cells using SMURF2 Rabbit mAb (A2278) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human colon using SMURF2 Rabbit mAb (A2278) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.