

Smad5 Rabbit mAb

Catalog NO.: A19117 **Recombinant** **1 Publications**

Basic Information

Observed MW

60kDa

Calculated MW

52kDa

Category

Monoclonal Antibodies

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse

Conjugation

Unconjugated

Clone number

ARC0448

Background

The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:1000 - 1:4000

IP

0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4090

Swiss Prot

Q99717

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

DWFC; JV5-1; MADH5; Smad5

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

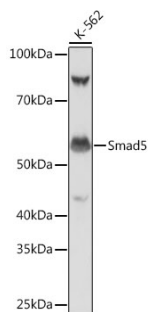
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from K-562 cells, using Smad5 Rabbit mAb (A19117) at 1:1000 dilution.

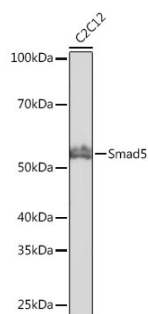
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from C2C12 cells, using Smad5 Rabbit mAb (A19117) at 1:1000 dilution.

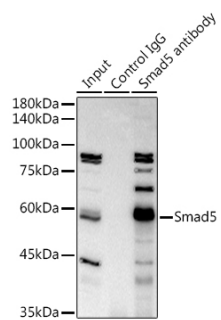
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.



Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg Smad5 antibody (A19117). Western blot was performed from the immunoprecipitate using Smad5 antibody (A19117) at a dilution of 1:1000.