

[KO Validated] Smad5 Rabbit mAb

Catalog No.: A22749 **KO** **Validated** **Recombinant**

Basic Information

Observed MW

60 kDa

Calculated MW

52kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Rat

CloneNo number

ARC55344

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 - 1:2000

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

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

DWFC; JV5-1; MADH5; d5

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

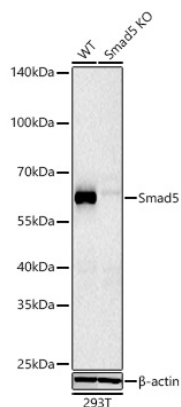
Affinity purification

Storage

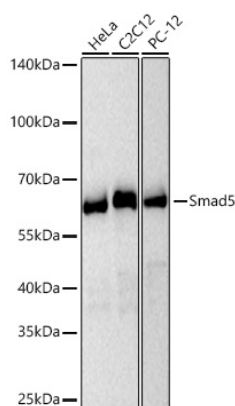
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and Smad5 knockout (KO) 293T cells using [KO Validated] Smad5 Rabbit mAb (A22749) at 1:2000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



Western blot analysis of various lysates using [KO Validated] Smad5 Rabbit mAb (A22749) at 1:2000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.