

Smad7 Rabbit pAb

Catalog No.: A1051

Basic Information

Observed MW

46kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Background

The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFB1), leading to the degradation of both the encoded protein and TGFB1. Expression of this gene is induced by TGFB1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRC3). Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:1000

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

Immunogen Information

Gene ID

4092

Swiss Prot

O15105

Immunogen

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

Synonyms

CRC3; MADH7; MADH8; Smad7

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

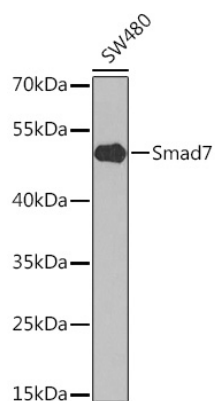
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from SW480 cells, using Smad7 Rabbit pAb (A1051) 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.