Smad7 Rabbit Polyclonal Antibody

CAB16396

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

46kDa

Calculated MW:

23kDa/46kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 (TGFBR1), leading to the degradation of both the encoded protein and TGFBR1. Expression of this gene is induced by TGFBR1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Gene ID:

4092

Uniprot

O15105

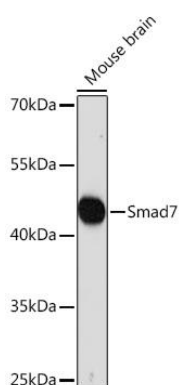### Synonyms:

SMAD7; CRCS3; MADH7; MADH8

Immunogen:

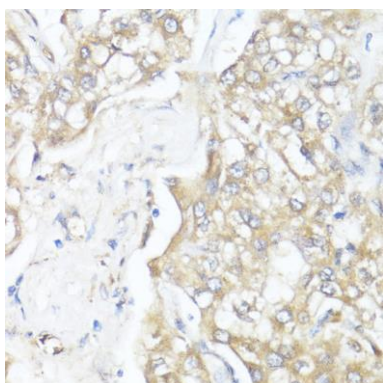A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Smad7 (NP_005895.1).

Storage:

Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
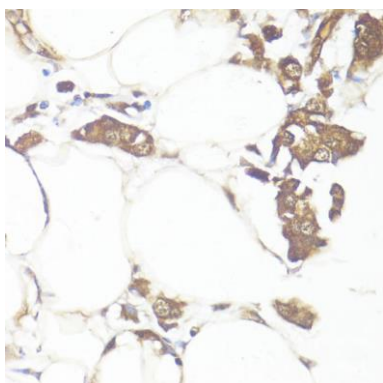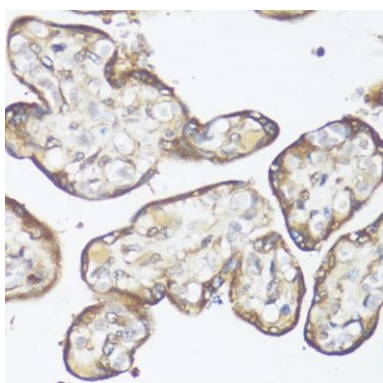
Western blot analysis of extracts of Mouse brain, using Smad7 Rabbit pAb (CAB16396) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 30s.

Immunohistochemistry of paraffin-embedded human liver cancer using Smad7 antibody (CAB16396) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human breast cancer using Smad7 antibody (CAB16396) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human placenta using Smad7 antibody (CAB16396) at dilution of 1:100 (40x lens).