

## SMAD7

**Reactivity:** Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 46kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human SMAD7

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CRCS3; MADH7; MADH8;

**Catalog #:** A8342

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 4092

**Isotype:** IgG

**Swiss Prot:** O15105

**Purity:** Affinity purification

For research use only.

**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.

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