

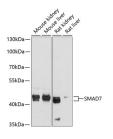
Tel:240-252-7368(USA) Fax: 240-252-7376(USA) techsupport@elabscience.com Website: www.elabscience.com

SMAD7 Polyclonal Antibody

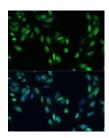
Reactivity Catalog No. E-AB-63686 H,M,R Storage Store at -20°C. Avoid freeze / thaw cycles. Rabbit Host WB,IF **Applications Isotype IgG**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of extracts of various cell lines using SMAD7 Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence analysis of U2OS cells using SMAD7 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunogen Information

A synthetic peptide of human SMAD7 **Immunogen**

(NP_005895.1).

GeneID 4092 **Swissprot** O15105

SMAD7, CRCS3, MADH7, MADH8 **Synonyms**

Product Information

Calculated MW 23kDa/46kDa

Observed MW 46kDa

Buffer PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Purify Affinity purification

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

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.