

SMAD7 Antibody

Catalog No: #37036



Package Size: #37036-1 50ul #37036-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

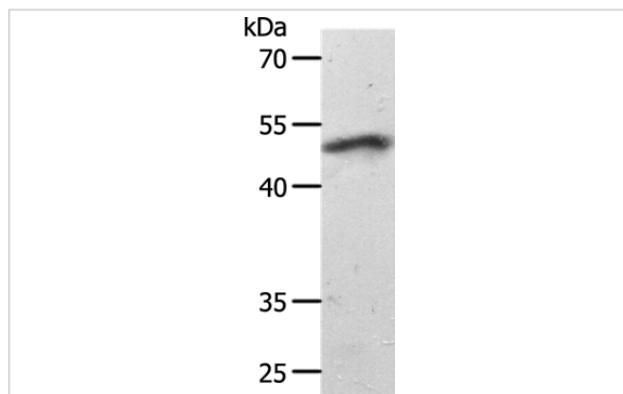
Product Name	SMAD7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total SMAD7 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human SMAD family member 7
Conjugates	Unconjugated
Target Name	SMAD7
Other Names	CRCS3; MADH7; MADH8
Accession No.	Swiss-Prot#: O15105NCBI Gene ID: 4092Gene Accssion: NP_005895
SDS-PAGE MW	46kd
Concentration	2.1mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Storage	Store at -20°C

Application Details

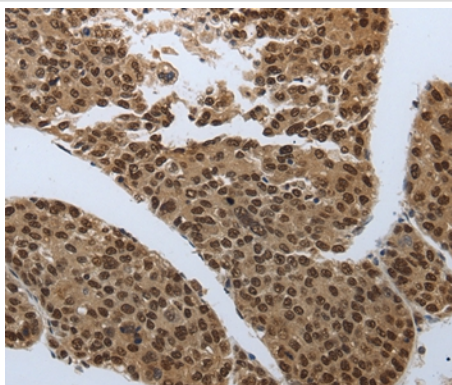
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE
Lysates (from left to right): Mouse heart tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/1000 dilution
Secondary antibody dilution: 1/8000
Exposure time: 40 seconds



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #37036 at dilution 1/60.

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.

Published Papers

et al., TGF β 1 mediated Smad signaling pathway and EMT in hepatic fibrosis induced by Nano NiO in vivo and in vitro. In Environ Toxicol on 2020 Apr by Zhang Q, Chang X ,et al.. PMID: 31737983, , (2020)

[PMID:31737983](#)

Jie Guo;Suhan Zhou;Honghong Wang;Xingyu Qiu;Fang Dong;Shan Jiang;Nan Xu;Yu Cui;Ruisheng Liu;Pengyun Li;Zufu Ma;Liang Zhao;En Yin Lai et al., ADAMTS13 attenuates renal fibrosis by suppressing thrombospondin 1 mediated TGF- β 1/Smad3 activation., , (2025)

[PMID:39929281](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.