SMAD4 Antibody

Catalog No: #31017

Package Size: #31017-1 50ul #31017-2 100ul



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

Description

Product Name	SMAD4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Ни
Specificity	The antibody detects endogenous level of total SMAD4 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 14-227 amino acids of human SMAD family member 4
Target Name	SMAD4
Other Names	SMAD family member 4, JIP, DPC4, MADH4, MYHRS
Accession No.	Swiss-Prot:Q13485Gene ID:4089;
Uniprot	Q13485
GenelD	4089;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

## **Application Details**

Predicted MW: 61kd	
ELISA: 1:1000-1:2000	
Western blotting: 1:200-1:500	

## Images



Gel: 10%SDS-PAGE Lane1: Human liver cancer tissue lysate Lane2: Hela cell lysate Lysates: 30ug per lane Primary antibody: 1/300 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 2 minutes

## Background

This gene encodes a member of the Smad family of signal transduction proteins. Smad proteins are phosphorylated and activated by transmembrane serine-threonine receptor kinases in response to TGF-beta signaling. The product of this gene forms homomeric complexes and heteromeric

complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. This protein binds to DNA and recognizes an 8-bp palindromic sequence (GTCTAGAC) called the Smad-binding element (SBE). The Smad proteins are subject to complex regulation by post-translational modifications. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome.

Note: This product is for in vitro research use only