

Datasheet for ABIN184619

anti-SMAD4 antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SMAD4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	SMAD4 / MADH4
Immunogen:	Peptide with sequence C-HTMPIADPQPLD, from the C Terminus of the protein sequence according to NP_005350.1.
Sequence:	HTMPIADPQP LD
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	SMAD4
Alternative Name:	SMAD4 (SMAD4 Products)
Background:	MADH4, SMAD4, JIP, DPC4, MAD, mothers against decapentaplegic homolog 4 (Drosophila), Mothers against decapentaplegic, Drosophila, homolog of, 4, MAD (mothers against decapentaplegic, Drosophila) homolog 4, SMAD family member 4, OTTHUMP00000163548, SMAD,
Gene ID:	4089, 50554
NCBI Accession:	NP_005350
Pathways:	Cell Division Cycle , Chromatin Binding , Autophagy

Application Details

Application Notes:	Western Blot: Preliminary experiments gave a band at approx 75 kDa in lysates of cell line NIH3T3. Please note that currently we cannot find an explanation in the literature Peptide ELISA: antibody detection limit dilution 1:32000.
Comment:	Immunoprecipitation: This antibody was deemed fit for IP under native conditions (observations from anonymous customer).
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN184619 staining (0.5µg/ml) of NIH-3T3 cell lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.