

Datasheet for ABIN358227

anti-SMAD4 antibody (pThr277)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	SMAD4
Binding Specificity:	pThr277
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T277 of human SMAD4.
Isotype:	Ig Fraction
Specificity:	This antibody detects SMAD4 pThr277.
Cross-Reactivity (Details):	Species reactivity (expected):Mouse (100 % Antigen Homology). Species reactivity (tested):Human.
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	SMAD4
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Target Details

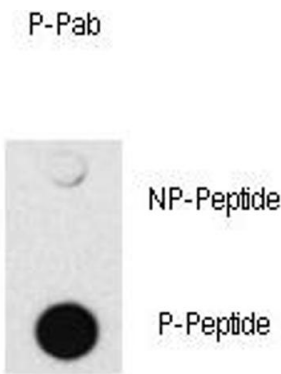
Alternative Name:	SMAD4 (SMAD4 Products)
Background:	Common mediator of signal transduction by TGF-beta (transforming growth factor) superfamily, SMAD4 is the common SMAD (co-SMAD). It promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. It may act as a tumor suppressor.Synonyms: DPC4, Deletion target in pancreatic carcinoma 4, MAD homolog 4, MADH4, Mothers against DPP homolog 4, Mothers against decapentaplegic homolog 4, SMAD 4, SMAD family member 4, SMAD-4
Molecular Weight:	60439 Da
Gene ID:	4089, 9606
UniProt:	Q13485
Pathways:	Cell Division Cycle , Chromatin Binding , Autophagy

Application Details

Application Notes:	ELISA: 1/1,000. Dot Blot: 1/500. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative.
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:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Dot Blot

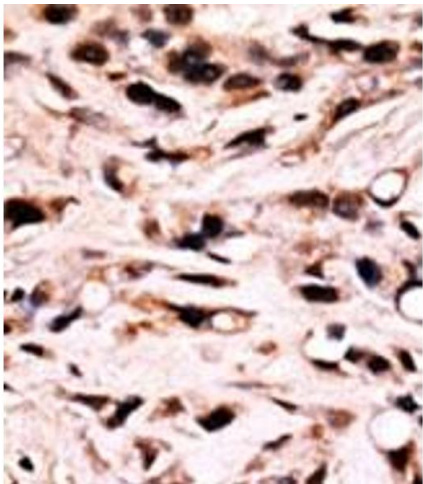


Image 1.

Image 2.