

Datasheet for ABIN389658
anti-SMAD4 antibody (pThr277)



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1 Image 1 Publication

Overview

Quantity:	400 µL
Target:	SMAD4
Binding Specificity:	pThr277
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SMAD4 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T277 of human SMAD4.
Clone:	RB07971
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SMAD4
Alternative Name:	SMAD4 (SMAD4 Products)

Target Details

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.

Molecular Weight: 60439

Gene ID: 4089

NCBI Accession: [NP_005350](#)

UniProt: [Q13485](#)

Pathways: [Cell Division Cycle](#), [Chromatin Binding](#), [Autophagy](#)

Application Details

Application Notes: WB: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

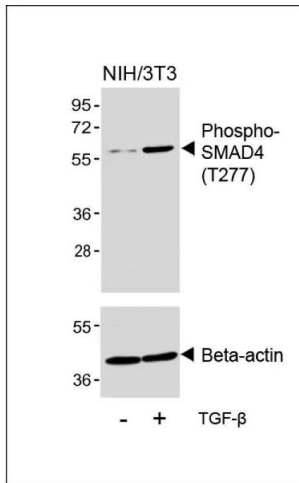
Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

Product cited in: Arjunan, Gnanaprakasam, Ananth, Romej, Rajalakshmi, Prasad, Martin, Gurusamy, Thangaraju, Bhutia, Ganapathy: "Increased Retinal Expression of the Pro-Angiogenic Receptor GPR91 via BMP6 in a Mouse Model of Juvenile Hemochromatosis." in: **Investigative ophthalmology & visual science**, Vol. 57, Issue 4, pp. 1612-9, (2016) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of lysates from NIH/3T3 cell line, untreated or treated with TGF- β (100 ng/mL, 30 min), using Phospho-SD4 Antibody (upper) or Beta-actin (lower).