

Datasheet for ABIN2780674 anti-SMAD4 antibody (C-Term)

1 Image



Overview

Quantity:	100 μL
Target:	SMAD4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Goat, Guinea Pig, Horse, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of mouse SMAD4
Sequence:	AAAGIGVDDL RRLCILRMSF VKGWGPDYPR QSIKETPCWI EIHLHRALQL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%,
	Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against Smad4. It was validated on Western Blot.
Purification:	Affinity Purified
Target Details	
Target:	SMAD4
Alternative Name:	Smad4 (SMAD4 Products)

Target Details

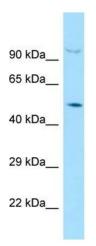
Background:	This gene encodes a member of the Smad family of signal transduction proteins. Smad		
	proteins are phosphorylated and activated by transmembrane serine-threonine receptor		
	kinases in response to TGF-beta signaling. The product of this gene forms homomeric		
	complexes and heteromeric complexes 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. Alias Symbols: JIP, DPC4, MADH4, MYHRS		
		Protein Size: 455	
		Molecular Weight:	50 kDa
		Gene ID:	4089
	NCBI Accession:	NM_005359, NP_005350	
UniProt:	Q13485		
Pathways:	Cell Division Cycle, Chromatin Binding, Autophagy		
Application Details			
Application Notes:	Optimal working dilution should be determined by the investigator.		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 mg/mL		
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %		
	sucrose.		
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 repeat freeze-thaw cycles.		
Storage:	-20 °C		

Handling

Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Host: Rabbit

Target Name: Smad4

Sample Tissue: Mouse Testis Lysate

Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: SMAD4 Sample Tissue:

Mouse Testis Antibody Dilution: 1ug/ml