

Datasheet for ABIN2460536

anti-SMAD6 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	SMAD6
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human SMAD6.
Purification:	Antibody is supplied as total IgG.

Target Details

Target:	SMAD6
Alternative Name:	SMAD6 (SMAD6 Products)
Background:	SMAD6 (mothers against decapentaplegic homolog 6) is an antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members, has been shown to inhibit selectively BMP (bone morphogenetic proteins) signaling by competing with the co-SMAD SMAD4 for receptor-activated SMAD1. SMAD6 is an inhibitory SMAD (I-SMAD) or antagonistic SMAD.

Target Details

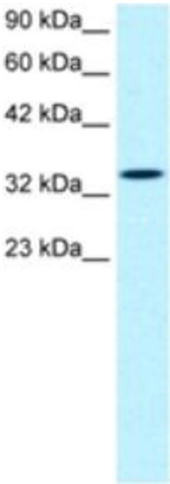
Molecular Weight:	53 kDa
Gene ID:	4091
NCBI Accession:	NP_005576
UniProt:	O43541
Pathways:	Chromatin Binding

Application Details

Application Notes:	SMAD6 antibody can be used for detection of SMAD6 by ELISA at 1:62500. SMAD6 antibody can be used for detection of SMAD6 by western blot at 0.5-1.0 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 200 µL of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.
Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store SMAD6 antibody at -20 °C.



Western Blotting

Image 1.