

Datasheet for ABIN2779803  
**anti-SMAD6 antibody (C-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	SMAD6
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio), Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD6 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 Smad6
Sequence:	PDGVWAYNRG EHPIFVNSPT LDAPGGRALV VRKVPPGYSI KVDFDFERSGL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against Smad6. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	SMAD6
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## Target Details

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Alternative Name:	Smad6 ( <a href="#">SMAD6 Products</a> )
Background:	<p>Smad6 binds to regulatory elements in target promoter regions. It may block the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding. It acts as a mediator of TGF-beta and BMP anti-inflammatory activity. It suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of proinflammatory genes.</p> <p>Protein Interaction Partner: Smurf1, Tbx6, Bmpr2, Bmpr1a, Acvr1, Runx2, tob1a, Axin1, SMURF2, BMPR1B,</p> <p>Protein Size: 459</p>
Molecular Weight:	54 kDa
Gene ID:	17130
UniProt:	<a href="#">O35182</a>
Pathways:	<a href="#">Chromatin Binding</a>

## Application Details

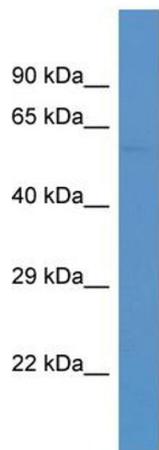
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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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
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.



Host: Rabbit  
Target Name: Smad6  
Sample Tissue: Mouse Kidney Lysate  
Antibody Dilution: 1.0µg/ml

### Western Blotting

**Image 1.** Host: Rabbit Target Name: SMAD6 Sample Tissue:  
Mouse Kidney Antibody Dilution: 1ug/ml