

Datasheet for ABIN7426472
anti-SMAD3 antibody (AA 231-425)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	SMAD3
Binding Specificity:	AA 231-425
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Purpose:	Monoclonal Antibody to SMAD family member 3 (SMAD3)
Immunogen:	Recombinant SMAD family member 3 (SMAD3) corresponding to Phe231~Ser425 (Accession # P84022)
Clone:	C4
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against SMAD3. It has been selected for its ability to recognize SMAD3 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Pig
Purification:	Protein A + Protein G affinity chromatography

Target Details

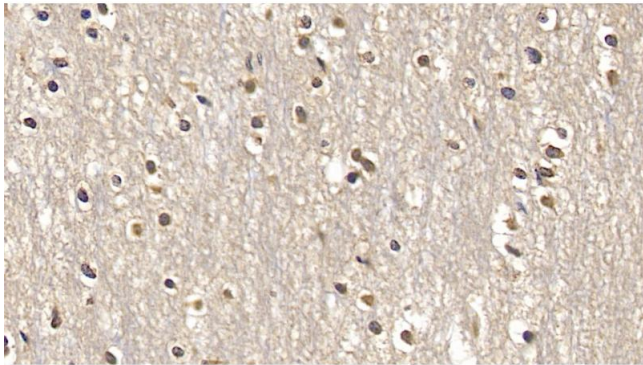
Target:	SMAD3
Alternative Name:	SMAD family member 3 (SMAD3 Products)
Background:	JV15-2, MADH3, Mothers Against Decapentaplegic Homolog 3
Pathways:	Cell Division Cycle , Chromatin Binding , Cell-Cell Junction Organization , Positive Regulation of Endopeptidase Activity , Autophagy

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

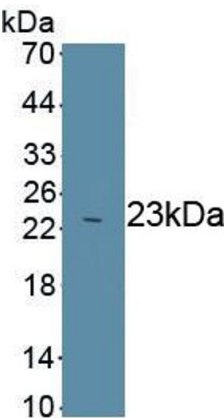
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



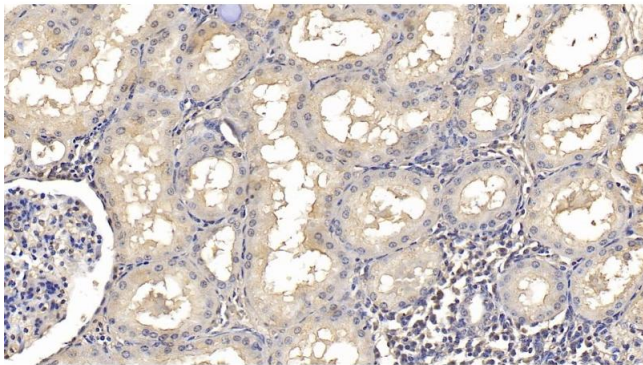
Immunohistochemistry

Image 1. Detection of SMAD3 in Human Cerebrum Tissue using Monoclonal Antibody to SMAD family member 3 (SMAD3)



Western Blotting

Image 2. Detection of Recombinant Smad3, Human using Monoclonal Antibody to SMAD family member 3 (SMAD3)



Immunohistochemistry

Image 3. Detection of SMAD3 in Human Kidney Tissue using Monoclonal Antibody to SMAD family member 3 (SMAD3)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7426472.