

Datasheet for ABIN517626
anti-SMAD2 antibody (AA 16-119)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	SMAD2
Binding Specificity:	AA 16-119
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMAD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant SMAD2.
Immunogen:	SMAD2 (NP_005892, 16 a.a. ~ 119 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LGWKKSAGGS GGAGGGEQNG QEEKWCEKAV KSLVKKLKKT GRLDELEKAI TTQNCNTKCV TIPSTCSEIW GLSTPNTIDQ WDTTGLYSFS EQTRSLDGRL QVSH
Clone:	4D4
Isotype:	IgG2b
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	SMAD2
Alternative Name:	SMAD2 (SMAD2 Products)
Background:	Full Gene Name: SMAD family member 2 Synonyms: JV18,JV18-1,MADH2,MADR2,MGC22139,MGC34440,hMAD-2,hSMAD2
Gene ID:	4087
NCBI Accession:	NM_005901
Pathways:	Cell Division Cycle , Hormone Transport , Chromatin Binding , Protein targeting to Nucleus

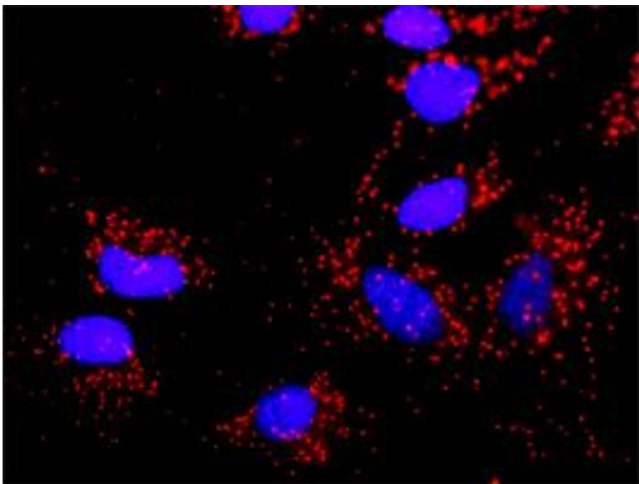
Application Details

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

Handling

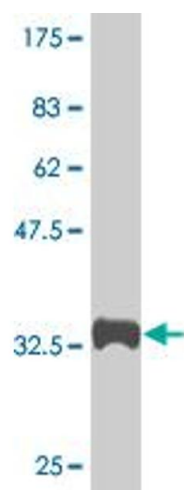
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Images



Proximity Ligation Assay

Image 1. Proximity Ligation Analysis of protein-protein interactions between TP53 and SMAD2. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-SMAD2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blotting

Image 2. Western Blot detection against Immunogen (37.44 KDa) .