

## Datasheet for ABIN5656966 SMAD2 ELISA Kit



Overview

Quantity:	96 tests
Target:	SMAD2
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.156 ng/mL - 10 ng/mL
Minimum Detection Limit:	0.156 ng/mL
Application:	ELISA

## Product Details

Alternative Name:

Sample Type:	Cell Lysate, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Mothers Against Decapentaplegic Homolog 2 (Smad2). No significant cross-reactivity or interference between Mothers Against Decapentaplegic Homolog 2 (Smad2) and analogues was observed.
Sensitivity:	0.057 ng/mL
Target Details	
Target:	SMAD2

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN5656966 | 07/25/2024 | Copyright antibodies-online. All rights reserved.

Mothers Against Decapentaplegic Homolog 2 (SMAD2 Products)

Target Details	
Background:	Gene Name: Mothers Against Decapentaplegic Homolog 2
	Gene Aliases: JV18, JV18-1, MADH2, MADR2, HMAD-2, HSMAD2, Mad-related protein 2
Pathways:	Cell Division Cycle, Hormone Transport, Chromatin Binding, Protein targeting to Nucleus
Application Details	
Comment:	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than
	5 % within the expiration date under appropriate storage condition. To minimize extra influence
	on the performance, operation procedures and lab conditions, especially room temperature, ai
	humidity, incubator temperature should be strictly controlled. It is also strongly suggested that
	the whole assay is performed by the same operator from the beginning to the end.
Assay Time:	3 h
Plate:	Pre-coated
Protocol:	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate
	provided in this kit has been pre-coated with an antibody specific to Mothers Against
	Decapentaplegic Homolog 2 (Smad2). Standards or samples are then added to the appropriat
	microtiter plate wells with a biotin-conjugated antibody specific to Mothers Against
	Decapentaplegic Homolog 2 (Smad2). Next, Avidin conjugated to Horseradish Peroxidase
	(HRP) is added to each microplate well and incubated. After TMB substrate solution is added,
	only those wells that contain Mothers Against Decapentaplegic Homolog 2 (Smad2), biotin-
	conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme
	substrate reaction is terminated by the addition of sulphuric acid solution and the color change
	is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of
	Mothers Against Decapentaplegic Homolog 2 (Smad2) in the samples is then determined by
	comparing the O.D. of the samples to the standard curve.
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level
	Mothers Against Decapentaplegic Homolog 2 (Smad2) were tested 20 times on one plate,
	respectively
	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level
	Mothers Against Decapentaplegic Homolog 2 (Smad2) were tested on 3 different plates, 8
	replicates in each plate. CV(%) = SD/meanX100
	Intra-Assay: CV<10%
	Inter-Assay: CV<12%
Restrictions:	For Research Use only

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN5656966 | 07/25/2024 | Copyright antibodies-online. All rights reserved.

Н	land	lina
11	ana	mig

Handling Advice:	The Stop Solution is acidic. Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months