

Datasheet for ABIN6989358
anti-SMAD7 antibody (AA 1-100)



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Overview

Quantity:	100 µL
Target:	SMAD7
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD7 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MADH7
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SMAD7
Alternative Name:	MADH7 (SMAD7 Products)

Target Details

Background:	Synonyms: hSMAD 7, hSMAD7, MAD (mothers against decapentaplegic Drosophila) homolog 7, MAD, Mad homolog 7, MAD mothers against decapentaplegic homolog 7, MADH 7, MADH 8, MADH8, Mothers Against Decapentaplegic Drosophila Homolog of 7, Mothers against decapentaplegic homolog 7, Mothers against decapentaplegic homolog 8, Mothers against DPP homolog 7, Mothers against DPP homolog 8, SMA- AND MAD-RELATED PROTEIN 7, SMAD 7, SMAD, SMAD family member 7, SMAD, mothers against DPP homolog 7 (Drosophila), SMAD, mothers against DPP homolog 7, Smad7, SMAD7_HUMAN Background: The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFB1), leading to the degradation of both the encoded protein and TGFB1. Expression of this gene is induced by TGFB1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRC3). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
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Gene ID: 4092

UniProt: [O15105](#)

Pathways: [Interferon-gamma Pathway](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months