

Datasheet for ABIN6983882

anti-SMAD7 antibody (AA 1-100) (Cy3)



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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 conjugated to Cy3
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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)
Background:	Synonyms: hSMAD 7, hSMAD7, MAD (mothers against decapentaplegic Drosophila) homolog 7,

Target Details

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]

Gene ID: 4092

UniProt: [O15105](#)

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

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months