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Datasheet for ABIN6989418  
**anti-SMAD9 antibody (AA 351-450)**

### Overview

Quantity:	100 µL
Target:	SMAD9
Binding Specificity:	AA 351-450
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD9 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))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SMAD8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Purification:	Purified by Protein A.

### Target Details

Target:	SMAD9
Alternative Name:	SMAD8 ( <a href="#">SMAD9 Products</a> )

## Target Details

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Background: Synonyms: AI528653 , BSP 1 , BSP1 , DKFZp781C1895 , DKFZp781O1323 , Dwarf A , Dwf A , DwfA , Dwfc , hSMAD1 , hSmad5 , JV 41 , JV4 1 , JV41 , JV5 1 , MAD (mothers against decapentaplegic, Drosophila) homolog 1 , MAD (mothers against decapentaplegic, Drosophila) homolog 9 , MAD homolog 1 , MAD homolog 9 , MAD homolog1 (mothers against decapentaplegic, Drosophila) ,

Background: Sphingomyelin synthases synthesize sphingolipids through transfer of a phosphatidyl head group on to the primary hydroxyl of ceramide. SAMD8 is an endoplasmic reticulum (ER) transferase that has no sphingomyelin synthase activity but can convert phosphatidylethanolamine (PE) and ceramide to ceramide phosphoethanolamine (CPE) albeit with low product yield. Appears to operate as a ceramide sensor to control ceramide homeostasis in the endoplasmic reticulum rather than a converter of ceramides. Seems to be critical for the integrity of the early secretory pathway

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Gene ID: 142891

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UniProt: [Q96LT4](#)

## Application Details

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Application Notes: ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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Storage: 4 °C,-20 °C

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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## Handling

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Expiry Date: 12 months