



# Smad1/5/9 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02265
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	SMAD1/SMAD5/SMAD9
<b>Protein Name</b>	Smad1/5/9
<b>Immunogen</b>	Synthesized peptide derived from human Smad1/5/9. at AA range: 291-340
<b>Specificity</b>	Smad1/5/9 Monoclonal Antibody detects endogenous levels of Smad1/5/9
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/ 1 year
<b>Synonyms</b>	Mothers against decapentaplegic homolog 1/5/9 (MAD homolog 1) (Mothers against DPP homolog 1) (JV4-1) (Mad-related protein 1) (SMAD family member 1) (SMAD 1/5/9) (Smad1) (hSMAD1) (Transforming growth factor-beta-signaling protein 1) (BSP-1)
<b>Calculated Molecular Weight</b>	52kD
<b>Cell Pathway</b>	Cytoplasm . Nucleus . Cytoplasmic in the absence of ligand. Migrates to the nucleus when complexed with SMAD4 (PubMed:15647271). Co-localizes with LEMD3 at the nucleus inner membrane (PubMed:15647271). Exported from the nucleus to the cytoplasm when dephosphorylated (By similarity). .
<b>Tissue Specificity</b>	Ubiquitous. Highest expression seen in the heart and skeletal muscle.
<b>Function</b>	
<b>Background</b>	
<b>matters needing attention</b>	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**