



Smad1/5/9 Monoclonal Antibody

Catalog No	YP-mAb-02265
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SMAD1/SMAD5/SMAD9
Immunogen	Synthesized peptide derived from human Smad1/5/9. at AA range: 291-340
Specificity	Smad1/5/9 Monoclonal Antibody detects endogenous levels of Smad1/5/9
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SMAD1/SMAD5/SMAD9;Smad1/5/9;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)
Calculated Molecular Weight	52kD
Cell Pathway	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).
Tissue Specificity	Ubiquitous. Highest expression seen in the heart and skeletal muscle.
Function	
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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