



BMP-10 Monoclonal Antibody

Catalog No	YP-mAb-16082
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BMP10
Protein Name	BMP-10
Immunogen	Synthesized peptide derived from BMP-10 at AA range: 361-410
Specificity	BMP-10 Monoclonal Antibody detects endogenous levels of BMP-10
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	bone morphogenetic protein 10
Observed Band	48kD
Cell Pathway	Secreted .
Tissue Specificity	Detected in mammary epithelia (at protein level).
Function	function:Required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. Acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Inhibits endothelial cell migration and growth.,online information:Bone morphogenetic protein 10 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked.,
Background	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which binds to the activin receptor-like kinase 1 (ALK1) and plays important roles in cardiovascular



development including cardiomyocyte proliferation and regulation of heart size, closure of the ductus arteriosus, angiogenesis and ventricular trabeculation. [provided by RefSeq, Aug 2016],

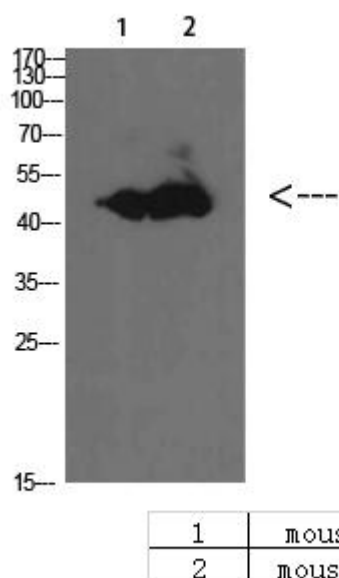
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western Blot analysis of various cells using BMP-10 Monoclonal Antibody