



BMP-3A Monoclonal Antibody

Catalog No	BYmab-16017
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	BMP3
Protein Name	Bone morphogenetic protein 3
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human BMP3. AA range:421-470
Specificity	BMP-3A Monoclonal Antibody detects endogenous levels of BMP-3A protein.
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BMP3; BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic protein 3A; BMP-3A; Osteogenin
Observed Band	53kD
Cell Pathway	Secreted.
Tissue Specificity	Expressed in adult and fetal cartilage.
Function	function:Negatively regulates bone density. Antagonizes the ability of certain osteogenic BMPs to induce osteoprogenitor differentiation and ossification.,induction:Highly expressed in fracture tissue, particularly in osteoblasts, osteoclasts and chondroblasts.,online information:Bone morphogenetic protein 3 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed in adult and fetal cartilage.,
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

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factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein suppresses osteoblast differentiation, and negatively regulates bone density, by modulating TGF-beta receptor availability to other ligands. [provided by RefSeq, Jul 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-3A Monoclonal Antibody