



# BMP-3A Polyclonal Antibody

<b>Catalog No</b>	BYab-16017
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	BMP3
<b>Protein Name</b>	Bone morphogenetic protein 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the C-terminal region of human BMP3. AA range:421-470
<b>Specificity</b>	BMP-3A Polyclonal Antibody detects endogenous levels of BMP-3A protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	BMP3; BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic protein 3A; BMP-3A; Osteogenin
<b>Observed Band</b>	53kD
<b>Cell Pathway</b>	Secreted.
<b>Tissue Specificity</b>	Expressed in adult and fetal cartilage.
<b>Function</b>	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.,
<b>Background</b>	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**

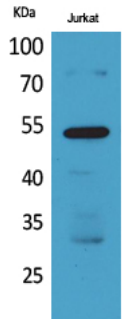
Avoid repeated freezing and thawing!

**Usage suggestions**

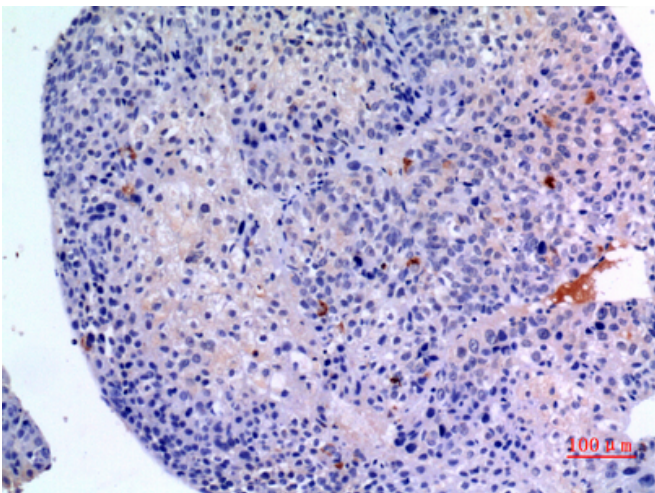
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



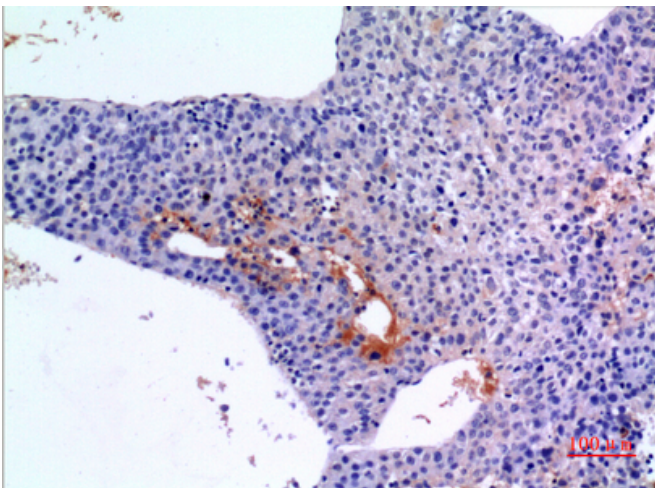
## Products Images



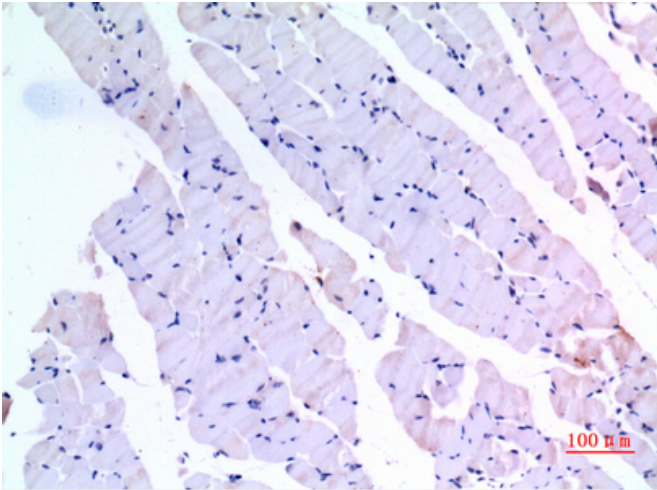
Western Blot analysis of Jurkat cells using BMP-3A Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



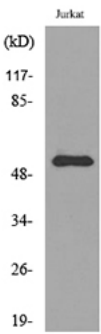
Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-muscle, antibody was diluted at 1:100



Western blot analysis of lysate from Jurkat cells, using BMP3 Antibody.