

Datasheet for ABIN6137595
anti-BMP2 antibody (AA 1-100)



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1 Image

Overview

Quantity:	100 µL
Target:	BMP2
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human BMP2 (NP_001191.1).
Sequence:	MVAGTRCLLA LLLPQVLLGG AAGLVPELGR RKFAAAASSGR PSSQPSDEVL SEFELRLLSM FGLKQRPTPS RDAVVPPYML DLYRRHSGQP GSPAPDHRLE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	BMP2
Alternative Name:	BMP2 (BMP2 Products)
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 each subunit of the disulfide-linked homodimer, which plays a role in bone and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients.,BDA2,BMP2A,BMP2,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Bone,Growth factor,TGF-b-Smad Signaling Pathway,Wnt/β-Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Immunology & Inflammation,Cytokines,NF-kB Signaling Pathway,Stem Cells,Neural Stem Cells,Cardiovascular,Angiogenesis,Ligand,BMP2
Molecular Weight:	44 kDa
Gene ID:	650
UniProt:	P12643
Pathways:	Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Muscle Cell Differentiation , Growth Factor Binding , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

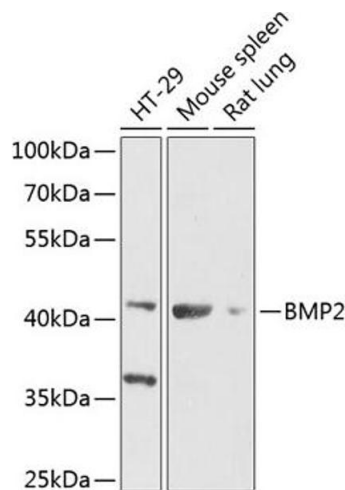
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using BMP2 Antibody (ABIN6127494, ABIN6137595, ABIN6137596 and ABIN6216531) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.