Rabbit BMP2 Polyclonal Antibody | anti-BMP2 antibody

BMP2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36672	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

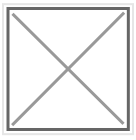
PRODUCT SYNONYMS

BMP2; Polyclonal Antibody; BMP2 Polyclonal Antibody; bmp2; BMP 2A; BMP 2; BMP2A; bone morphogenetic protein 2; Bone morphogenetic protein 2A; anti-BMP2 antibody

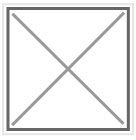
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	396
Applicable Applications for anti-BMP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 283-396 of human BMP2 (NP_001191.1)
Calculated MW	44kDa
Observed MW	45 kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using BMP2 antibody (AAA36672) at dilution of 1:100. Blue: DAPI for nuclear staining



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded mouse lung using BMP2 antibody at dilution of 1:200 (40x lens).

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human colon using BMP2 antibody at dilution of 1:200 (40x lens).

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using BMP2 Antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP2 antibody	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.
Product Categories/Family for anti-BMP2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	115068
NCBI GeneID	650
UniProt Accession #	P12643
NCBI Official Full Name	Bone morphogenetic protein 2
NCBI Official Synonym Full Names	bone morphogenetic protein 2
NCBI Official Symbol	BMP2
NCBI Official Synonym Symbols	BDA2; BMP2A
NCBI Protein Information	bone morphogenetic protein 2; BMP-2A; bone morphogenetic protein 2A
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	**BMP2**
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A
UniProt Entry Name	BMP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/bmp2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36672