

Mouse anti-Human BMP2 Monoclonal Antibody | anti-BMP2 antibody

BMP2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48133	Mouse	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

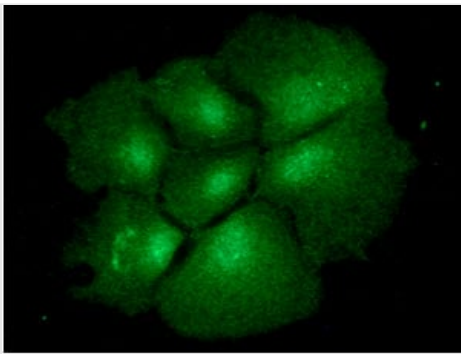
PRODUCT SYNONYMS

BMP2; Monoclonal Antibody; BMP2 antibody; Bone morphogenetic protein 2; BMP-2A; bmp2; Bone morphogenetic protein-2; anti-BMP2 antibody

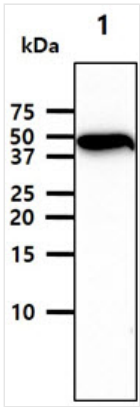
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT15B3
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	396
Applicable Applications for anti-BMP2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human BMP2 (283-396aa) purified from E. coli
Clone Note	Anti-human BMP2 mAb, clone AT15B3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BMP2 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of BMP2 in Hep3B cells line, stained with monoclonal anti-human BMP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BMP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-BMP2 antibody	BMP-2 (Bone morphogenetic protein 2) is multi-functional growth factors that belong to the transforming growth factor beta (TGF beta) superfamily. It plays an important role in embryonic dorsal-ventral patterning, organogenesis, limb bud formation, and bone formation and regeneration. BMP-2 also promotes the maintenance and repair of colonic epithelium, suppresses neuronal dopamine synthesis and release, induces apoptosis in medulloblastoma cells, and is required for cardiac contractility.
Product Categories/Family for anti-BMP2 antibody	Hormones & Cytokines
References	Chen D., et al. (2004). Growth factors. 22 (4):233-41 ; Schliephake H., et al. (2005). Clin Oral Implants Res. 17 (6):666-72

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557369
NCBI GeneID	650
NCBI Accession #	NP_001191
NCBI GenBank Nucleotide #	NM_001200.3
UniProt Accession #	P12643
Molecular Weight	44,702 Da
NCBI Official Full Name	bone morphogenetic protein 2 preproprotein
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
UniProt Protein Name	Bone morphogenetic protein 2
UniProt Gene Name	BMP2
UniProt Synonym Gene Names	BMP2A; BMP-2; BMP-2A

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/monoclonal/bmp2-antibody-clone-at15b3-immunofluorescence-immunocytochemistry-western-blot-elisa/48133>