Mouse anti-Human BMP7 Monoclonal Antibody | anti-BMP7 antibody

BMP7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47988	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

BMP7; Monoclonal Antibody; BMP7 antibody; Bone morphogenetic protein 7; Osteogenic protein1; OP-1; Bone morphogenetic protein 7 BMP 7; Eptotermin alfa; OP 1; OP1.; anti-BMP7 antibody

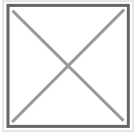
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	4E7
Purity/Purification	By protein-G 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)
Applicable Applications for anti-BMP7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human BMP7 (293-431aa) purified from E. coli
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES

ICC (Immunocytochemistry)
ICC/IF analysis of BMP7 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human BMP7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)
The extracts of mouse kidney (MK) and rat heart (RH) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BMP7 antibody (1:1,000). Protein was visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



WB (Western Blot)
The Mouse tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BMP7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Mouse Brain tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP7 antibody	BMP-7 (bone morphogenetic protein-7), also known as OP-1 (osteogenic protein-1), is a member of the transforming growth factorbeta (TGFbeta) superfamily. BMP-7 plays an essential role during ontogeny of the mammalian eye and kidney, also, is expressed in heart, lung, small intestine, limb bud and teeth. In addition, noggin, one of the soluble BMP antagonists, regulated the action of BMPs on mesenchymal precursor cells, partially through a feedback type of inhibition.
Product Categories/Family for anti-BMP7 antibody	Hormones & Cytokines
References	Gregory KE., et al. (2005) J. Biol, Chem. 280, 27970-27980.; Sampath Tk., et al. (1990) J. Biol. Chem. 265, 13198-13205; Godin RE., et al. (1998) Development. 125, 3473-3482; Groppe J., et al. (2002) Nature. 420, 636-642

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502427
NCBI GeneID	655
NCBI Accession #	NP_001710
NCBI GenBank Nucleotide #	NM_001719.2
UniProt Accession #	P18075; Q9H512; Q9NTQ7
NCBI Official Full Name	bone morphogenetic protein 7 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 7
NCBI Official Symbol	BMP7
NCBI Official Synonym Symbols	OP-1
NCBI Protein Information	bone morphogenetic protein 7
UniProt Protein Name	Bone morphogenetic protein 7
UniProt Gene Name	**BMP7**
UniProt Synonym Gene Names	OP1; BMP-7; OP-1

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/bmp7-antibody-clone-4e7-immunofluorescence-immunocytochemistry-western-blot-elisa/47988