

Rabbit anti-Human BMP10 Polyclonal Antibody | anti-BMP10 antibody

BMP10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324521	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

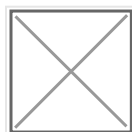
PRODUCT SYNONYMS

BMP10; Polyclonal Antibody; BMP10 Antibody; BMP-10; Bmp10; BMP10_HUMAN; Bone morphogenetic protein 10; Bone morphogenetic protein 10 preproprotein; MGC126783; OTTHUMP00000159973; anti-BMP10 antibody

PRODUCT SPECIFICATIONS

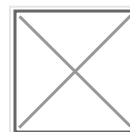
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	BMP10 antibody detects endogenous levels of total BMP10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	424
Applicable Applications for anti-BMP10 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted.
Tissue Specificity	Detected in mammary epithelia (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (91%), Bovine (91%), Horse (82%), Sheep (91%), Rabbit (100%), Dog (91%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324521 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using BMP10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP10 antibody	Function: Required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. Acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Inhibits endothelial cell migration and growth. May reduce cell migration and cell matrix adhesion in breast cancer cell lines. Subunit Structure: Homodimer; disulfide-linked (By similarity). Interacts with FBN1 (via N-terminal domain) and FBN2 (PubMed:18339631). Interacts with ENG (PubMed:21737454). Similarity: Belongs to the TGF-beta family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7656928
NCBI GeneID	27302
NCBI Accession #	NP_055297.1
NCBI GenBank Nucleotide #	NM_014482.2
UniProt Accession #	O95393; Q53R17; Q6NTE0
Molecular Weight	Observed: 48 kD Predicted: 49 kDa
NCBI Official Full Name	bone morphogenetic protein 10 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 10
NCBI Official Symbol	BMP10
NCBI Protein Information	bone morphogenetic protein 10
UniProt Protein Name	Bone morphogenetic protein 10
UniProt Gene Name	BMP10
UniProt Synonym Gene Names	BMP-10

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.