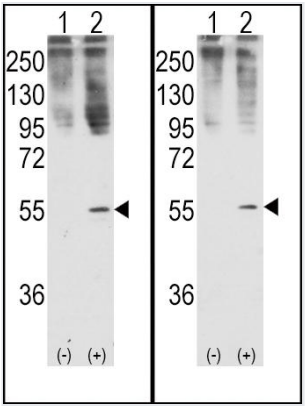
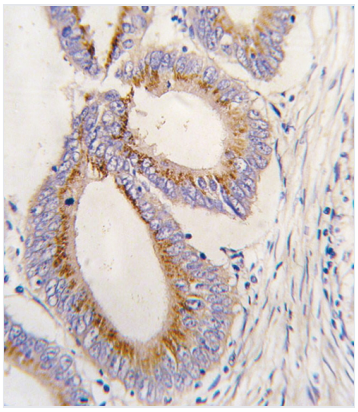
BMP11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

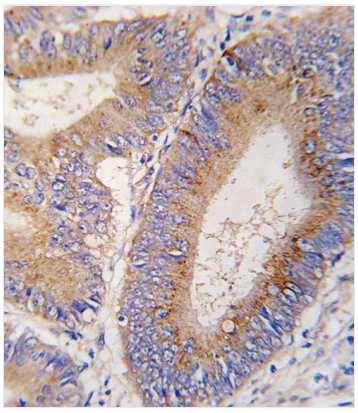
Product Name	BMP11, Polyclonal Antibody
Full Product Name	BMP11, NT (Growth/Differentiation Factor 11, GDF-11, Bone Morphogenetic Protein 11, BMP-11, GDF11) (MaxLight 490)
Product Gene Name	anti-BMP11 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes human BMP11. Species crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	14.8kDa (132aa)
OMIM	603936
3D Structure	ModBase 3D Structure for O95390
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 32-61 in the N-terminal region of human BMP11, UniProt Accession #O95390.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-BMP11 antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-BMP11 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB)
Related Product Information for anti-BMP11 antibody	MBS6465611 is an antibody targeting BMP11. Also known as BMP11, NT (Growth/Differentiation Factor 11, GDF-11, Bone Morphogenetic Protein 11, BMP-11, GDF11) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-BMP11 antibody	1. Lee, S.J., et al., Curr. Opin. Genet. Dev. 9(5): 604-607 (1999). 2. McPherron, A.C., et al., Nat. Genet. 22(3): 260-264 (1999). 3. Gamer, L.W., et al., Dev. Biol. 208(1): 222-232 (1999). 4. Hillier, L.D., et al., Genome Res. 6(9): 807-828 (1996).
Other Notes	Small volumes of anti-BMP11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-BMP11 antibody
Western Blot analysis of 293 cell lysates (2ug/lane) usingMBS630873. in either nontransfected (Lane 1) or transiently transfected with the BMP11 gene (Lane 2) (Origene Technologies) BMP11 (arrow).



Immunohistochemistry (IHC) of anti-BMP11 antibody
Formalin-fixed and paraffin-embedded human colon carcinoma tissue usingMBS630873, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Immunohistochemistry (IHC) of anti-BMP11 antibody
Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted withMBS630873, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BMP11. It may not necessarily be applicable to this product.

NCBI GI #	5031613
NCBI GeneID	10220
NCBI Accession #	NP_005802
UniProt Primary Accession #	O95390
UniProt Secondary Accession #	Q9UID1; Q9UID2
UniProt Related Accession #	O95390
GenBank Nucleotide #	NM_005811.4
NCBI Official Full Name	growth/differentiation factor 11 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 11
NCBI Official Symbol	GDF11
NCBI Official Synonym Symbols	BMP11; BMP-11
UniProt Protein Name	Growth/differentiation factor 11
UniProt Synonym Protein Names	Bone morphogenetic protein 11

UniProt Gene Name	GDF11
UniProt Synonym Gene Names	BMP11; GDF-11; BMP-11
UniProt Entry Name	GDF11_HUMAN
NCBI Protein Information	growth/differentiation factor 11
NCBI Summary for BMP11	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. This protein plays a role in the development of the nervous and other organ systems, and may regulate aging. [provided by RefSeq, Aug 2016]
UniProt Comments for BMP11	GDF11: Secreted signal that acts globally to specify positional identity along the anterior/posterior axis during development. Play critical roles in patterning both mesodermal and neural tissues and in establishing the skeletal pattern. Belongs to the TGF-beta family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 12q13.2 Cellular Component: extracellular space Molecular Function: growth factor activity; cytokine activity; transforming growth factor beta receptor binding Biological Process: nervous system development; cell maturation; palate development; regulation of apoptosis; negative regulation of cell proliferation; negative regulation of cell differentiation; camera-type eye morphogenesis; spinal cord anterior/posterior patterning; ureteric bud development; regulation of MAPKKK cascade; pancreas development; mesoderm development; metanephros development; skeletal development; cell development; growth
Research Articles on BMP11	**1.** Tumor-suppressor inactivation of GDF11 occurs by precursor sequestration in triple-negative breast cancer
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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