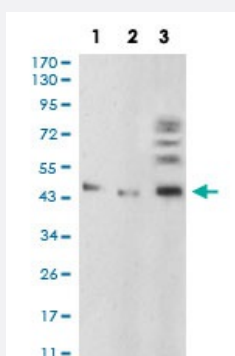


BMP4 monoclonal antibody, clone 3C11C7

Catalog # MAB17159

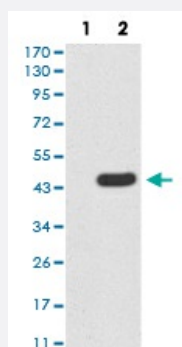
Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: A549 cell; Lane 2: HepG2 cell; Lane 3: C6 cell with BMP4 monoclonal antibody.



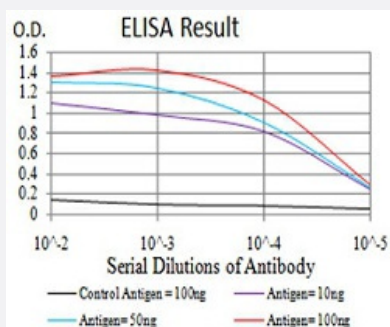
Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) BMP4-hlgGfc transfected HEK293 cell lysate.



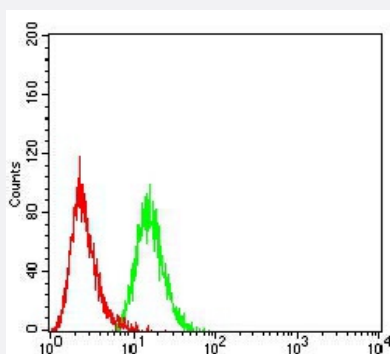
Immunocytochemistry

Immunocytochemical staining of HeLa cells with BMP4 monoclonal antibody (green). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of BMP4 monoclonal antibody, clone 3C11C7.



Flow Cytometry

Flow cytometric analysis of HeLa cells with BMP4 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human BMP4.
Immunogen	Recombinant protein corresponding to amino acid 277-408 of human BMP4 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	46.5kDa
Reactivity	Human, Rat
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry Immunocytochemistry (1:100-1:500) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: A549 cell; Lane 2: HepG2 cell; Lane 3: C6 cell with BMP4 monoclonal antibody.

- Western Blot (Transfected lysate)

Western Blot analysis of (1) HEK293 cells, (2) BMP4-hlgGfc transfected HEK293 cell lysate.

- Immunocytochemistry

Immunocytochemical staining of HeLa cells with BMP4 monoclonal antibody (green). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of BMP4 monoclonal antibody, clone 3C11C7.

- Flow Cytometry

Flow cytometric analysis of HeLa cells with BMP4 monoclonal antibody (green) and negative control (red).

Gene Info — BMP4

Entrez GeneID	652
Gene Name	BMP4
Gene Alias	BMP2B, BMP2B1, MCOPS6, ZYME
Gene Description	bone morphogenetic protein 4
Omim ID	112262
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of this gene has been described and three variants are described, all encoding an identical protein. [provided by RefSeq]

Other Designations

bone morphogenetic protein 2B

Pathway

- [Basal cell carcinoma](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Anemia](#)
- [Bone Diseases](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coloboma](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hypospadias](#)
- [Kidney Failure](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Metabolic Syndrome X](#)
- [Microphthalmos](#)
- [Neoplasms](#)
- [Neural Tube Defects](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Puberty](#)
- [Skin Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)