

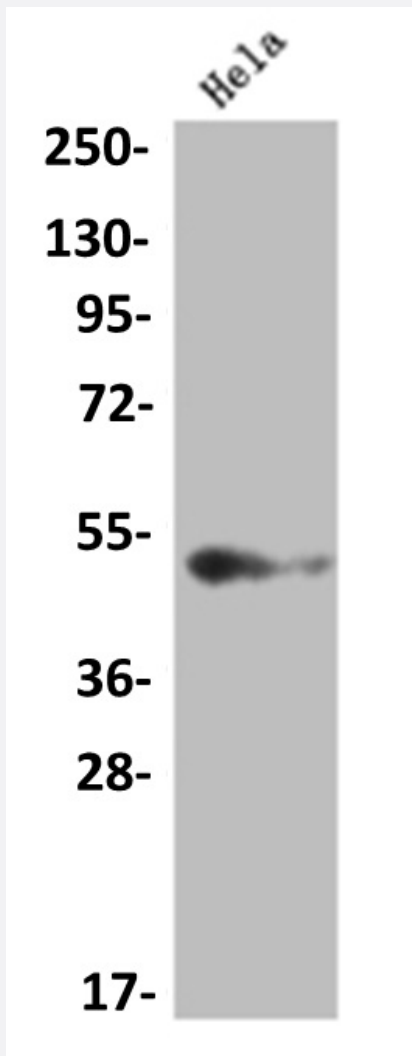
RecomAb™

BMP4 recombinant monoclonal antibody, clone 19B7

Catalog # RAB07570

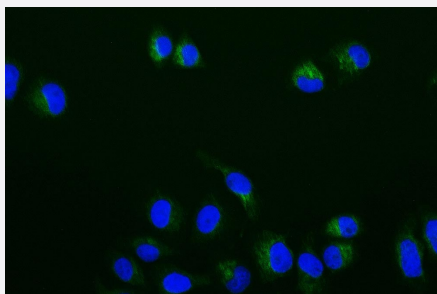
Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa whole cell lysate with BMP4 recombinant monoclonal antibody, clone 19B7 (Cat # RAB07570).



Immunofluorescence

Immunofluorescent staining of HeLa Cells with BMP4 recombinant monoclonal antibody, clone 19B7 (Cat # RAB07570), counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 508-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BMP4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human BMP4.
Theoretical MW (kDa)	Calculated MW: 47
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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 Hela whole cell lysate with BMP4 recombinant monoclonal antibody, clone 19B7 (Cat # RAB07570).

- Immunofluorescence

Immunofluorescent staining of Hela Cells with BMP4 recombinant monoclonal antibody, clone 19B7 (Cat # RAB07570), counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 508-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BMP4

Entrez GeneID [652](#)

Protein Accession# [P12644](#)

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](#)