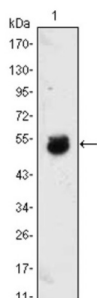


Bone Morphogenetic Protein 4 (BMP4) Antibody

Catalogue No.: abx011757



Western blot analysis using BMP4 antibody against BMP4-hlgGfc transfected HEK293 cell lysate.

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. BMPs (bone morphogenetic proteins) belong to the TGF beta superfamily of structurally related signaling proteins. Members of this superfamily are widely represented throughout the animal kingdom and have been implicated in a variety of developmental processes. Proteins of the TGF beta superfamily are disulfide-linked dimers composed of two 12-15 kDa polypeptide chains. As implied by their name, BMPs initiate, promote and regulate bone development, growth, remodeling and repair. Smad1 translocation to the nucleus is observed after the addition of BMP4 (also designated BMP2B), suggesting that BMP4 may play a role in activation of the Smad pathway. BMP is secreted into the extracellular matrix.

Target:	Bone Morphogenetic Protein 4 (BMP4)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human BMP4 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 3.0.0
Revision date: 13 Jun 2025



UniProt Primary AC: P12644 ([UniProt](#), [ExPASy](#))

Gene Symbol: BMP4

GeneID: [652](#)

OMIM: [112262](#)

HGNC: 1071

KEGG: hsa:652

Ensembl: ENSG00000125378

String: [9606.ENSP00000245451](#)

Molecular Weight: 64 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.