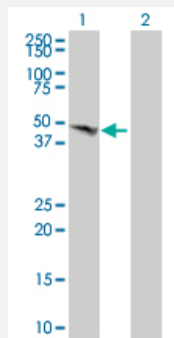


BMP7 monoclonal antibody (M04), clone 2D6

Catalog # H00000655-M04

Size 100 ug

Applications

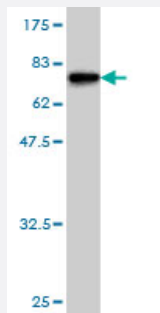


Western Blot (Transfected lysate)

Western Blot analysis of BMP7 expression in transfected 293T cell line by BMP7 monoclonal antibody (M04), clone 2D6.

Lane 1: BMP7 transfected lysate(49.565 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (73.15 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant BMP7.

Immunogen

BMP7 (AAH08584, 1 a.a. ~ 431 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MHVRSLRAAAPHSFVALWAPLFLRLSALADFSLDNEVHSSFIHRLRSQERREMQRILSILGLPH
RPRPHLQGKHNSAPMFMLDLNAMAVEEGGGPGGQGFSSYPYKAVFSTQGPPLASLQDSHFLTD
ADMVMSFVNLVEHDKEFFHPRYHHREFRDLSKIPEGEAVTAAEFRIKYDYRERFDNETFRISVYQ
VLQEHLGRESDLFLDSRTLWASEEGWL VFDITATSNHWVVPNRHNLGLQLSVETLDGQSINPKL
AGLGRHGPQNKQPFMVAFKATEVHFIRSIRSTGSKQRSQNRSKTPKNQEALRMANVAENSSSD
QRQACKKHELIVSFRDLGWQDWIAPEGYAAAYCEGECAFLNSYMNATNHAVQTLVHFINPETV
PKPCCAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH

Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.15 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of BMP7 expression in transfected 293T cell line by BMP7 monoclonal antibody (M04), clone 2D6.

Lane 1: BMP7 transfected lysate(49.565 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — BMP7

Entrez GeneID	655
GeneBank Accession#	BC008584
Protein Accession#	AAH08584
Gene Name	BMP7
Gene Alias	OP-1
Gene Description	bone morphogenetic protein 7
Omim ID	112267

Gene Ontology

[Hyperlink](#)

Gene Summary

The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskelatal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity. [provided by RefSeq]

Other Designations

OTTHUMP00000031357|osteogenic protein 1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypospadias](#)

- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)