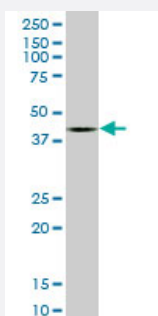


BMP7 monoclonal antibody (M03), clone S52

Catalog # H00000655-M03

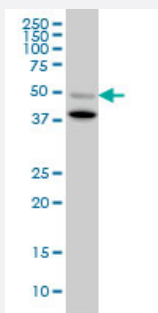
Size 100 ug

Applications



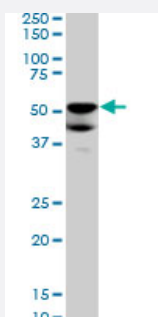
Western Blot (Tissue lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in human ovarian cancer.



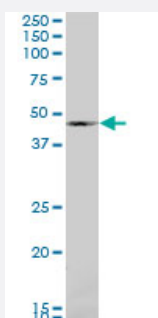
Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in Raw 264.7.



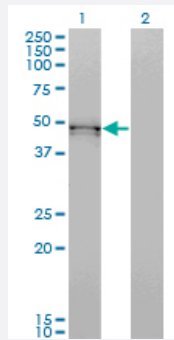
Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in A-549 (Cat # L025V1).



Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in C32 (Cat # L002V1).

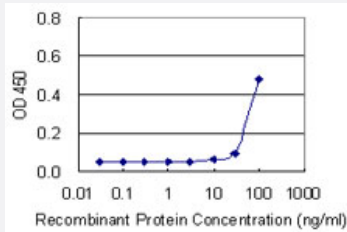


Western Blot (Transfected lysate)

Western Blot analysis of BMP7 expression in transfected 293T cell line by BMP7 monoclonal antibody (M03), clone S52.

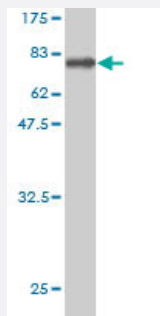
Lane 1: BMP7 transfected lysate(49.313 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BMP7 is 10 ng/ml as a capture antibody.



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

MHVRSLRAAAPHSFVALWAPLFLRLSALADFSLDNEVHSSFIHRLRSQERREMQREILSILGLPH
RPRPHLQGKHNSAPMFMLDLYNAMAVEEGGGPGGQGFSSYPYKAVFSTQGPPPLASLQDSHF LTD
ADMVMSFVNLVEHDKEFFHPRYHHREFRFDLSKIPEGEAVTAAEFRIYKDYIRERFDNETFRISVYQ
VLQEHLGRESDFLLDSRTLWASEEGWL VFDITATSNHWWVNPRHNLGLQLSVETLDGQSINPKL
AGLGRHGPPQNKQPFMVAFKATEVHFRSIRSTGSKQRSQNRSKTPKNQEALRMANVAENSSSD
QRQACKKHELIVSFRDLGWQDWIIAPEGYAAYCEGECAPPLNSYMNATNHAVQTLVHFINPETV
PKPCCAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH

Host

Mouse

Reactivity

Human, Mouse

Isotype	IgG1 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 (Tissue lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in human ovarian cancer.

[Protocol Download](#)

- Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in A-549 (Cat # L025V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in C32 (Cat # L002V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of BMP7 expression in transfected 293T cell line by BMP7 monoclonal antibody (M03), clone S52.

Lane 1: BMP7 transfected lysate(49.313 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged BMP7 is 10 ng/ml as a capture antibody.

[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 extraskeletal 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](#)