

BMP7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BMP7.

Catalog # AT1304a

Specification

BMP7 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	P18075
Other Accession	BC008584
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	49313

BMP7 Antibody (monoclonal) (M01) - Additional Information

Gene ID 655

Other Names

Bone morphogenetic protein 7, BMP-7,
Osteogenic protein 1, OP-1, Eptotermin alfa,
BMP7, OP1

Target/Specificity

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

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate
buffered saline, pH 7.2 .

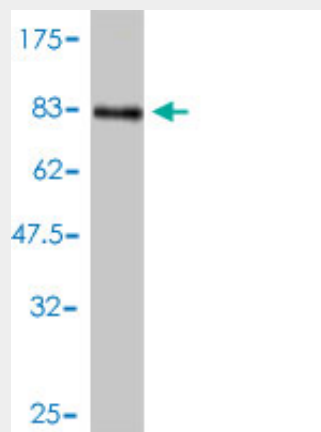
Storage

Store at -20°C or lower. Aliquot to avoid
repeated freezing and thawing.

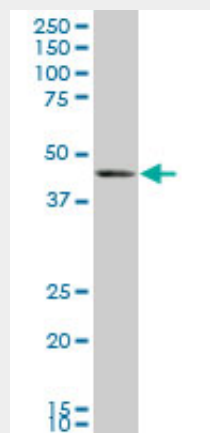
Precautions

BMP7 Antibody (monoclonal) (M01) is for
research use only and not for use in
diagnostic or therapeutic procedures.

BMP7 Antibody (monoclonal) (M01) - Protocols



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.15 KDa) .



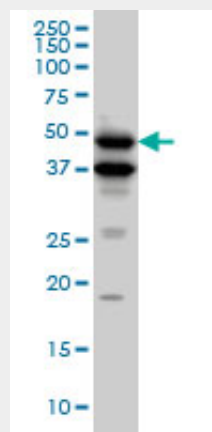
BMP7 monoclonal antibody (M01), clone M1-F8. Western Blot analysis of BMP7 expression in human uterus myoma.

Provided below are standard protocols that you may find useful for product applications.

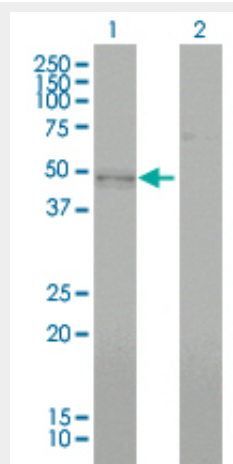
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



BMP7 monoclonal antibody (M01), clone M1-F8. Western Blot analysis of BMP7 expression in A-549 (Cat # AT1304a)



BMP7 monoclonal antibody (M01), clone M1-F8. Western Blot analysis of BMP7 expression in Raw 264.7.



Western Blot analysis of BMP7 expression in transfected 293T cell line by BMP7 monoclonal antibody (M01), clone M1-F8.

Lane 1: BMP7 transfected lysate(49.313 KDa).

Lane 2: Non-transfected lysate.

BMP7 Antibody (monoclonal) (M01) - Background

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.

BMP7 Antibody (monoclonal) (M01) - References

1.BMP-7 blocks mesenchymal conversion of mesothelial cells and prevents peritoneal damage induced by dialysis fluid exposure.Loureiro J, Schilte M, Aguilera A, Albar-Vizcaino P, Ramirez-Huesca M, Perez-Lozano LM, Gonzalez-Mateo G, Aroeira LS, Selgas R, Mendoza L, Ortiz A, Ruiz-Ortega M, van den Born J, Beelen RH, Lopez-Cabrera M.Nephrol Dial Transplant. 2010 Jan 12. [Epub ahead of print]