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BMP7 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BMP7.
Catalog # AT1304a

Product Information

Application	WB
Primary Accession	P18075
Other Accession	BC008584
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	M1-F8
Calculated MW	49313

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.

Background

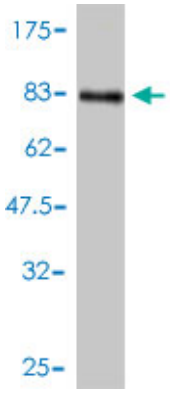
The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis 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.

References

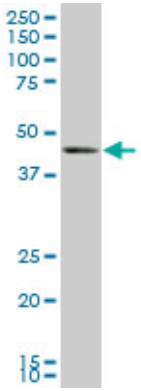
1.BMP-7 blocks mesenchymal conversion of mesothelial cells and prevents peritoneal damage induced by

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]

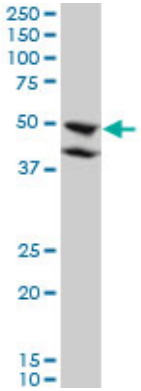
Images



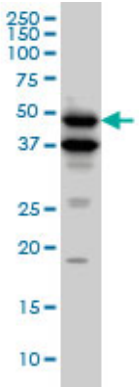
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (73.15 KDa) .



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

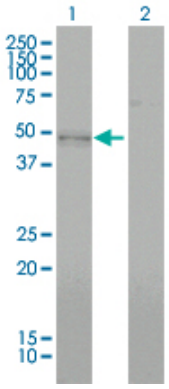


BMP7 monoclonal antibody (M01), clone M1-F8. Western Blot analysis of BMP7 expression in A-549 ((Cat # AT1304a)



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.