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BMP7 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant BMP7.
Catalog # AT1305a

Product Information

Application	WB, E
Primary Accession	P18075
Other Accession	BC008584
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	S52
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 E~~N/A
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) (M03) 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

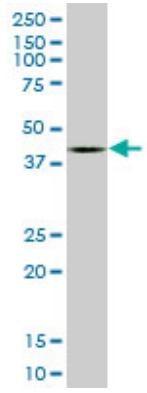
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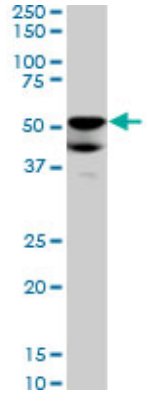
Images



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

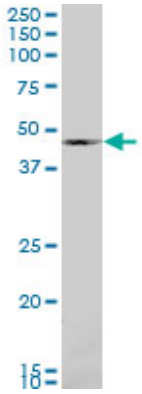


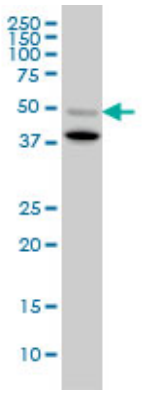
BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in human ovarian cancer.



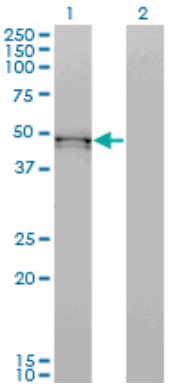
BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in A-549 ((Cat # AT1305a)

BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in C32 ((Cat # AT1305a)



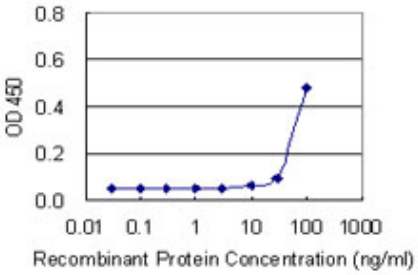


BMP7 monoclonal antibody (M03), clone S52. Western Blot analysis of BMP7 expression in Raw 264.7.



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

Lane 1: BMP7 transfected lysate(49.313 KDa).
Lane 2: Non-transfected lysate.



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

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