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MEOX2 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant MEOX2.
Catalog # AT2846a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P50222
Other Accession	BC017021
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6A5
Calculated MW	33594

Additional Information

Gene ID	4223
Other Names	Homeobox protein MOX-2, Growth arrest-specific homeobox, Mesenchyme homeobox 2, MEOX2, GAX, MOX2
Target/Specificity	MEOX2 (AAH17021, 1 a.a. ~ 303 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 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	MEOX2 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

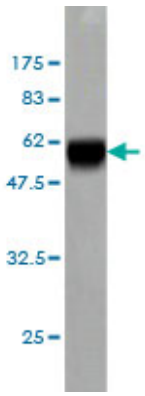
This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the regulation of vertebrate limb myogenesis. Mutations in the related mouse protein may be associated with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimer's disease.

References

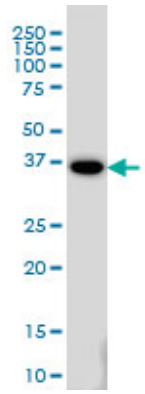
1.MicroRNA-130a Mediates Proliferation of Vascular Smooth Muscle Cells in Hypertension.Wu WH, Hu CP, Chen XP, Zhang WF, Li XW, Xiong XM, Li YJ.Am J Hypertens. 2011 Jul 14. doi: 10.1038/ajh.2011.116. [Epub

ahead of print]

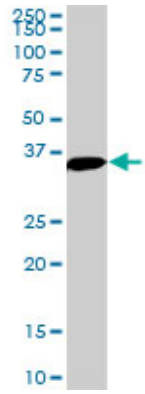
Images



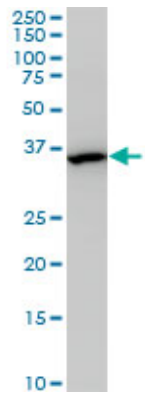
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (59.07 KDa) .



MEOX2 monoclonal antibody (M03), clone 6A5 Western Blot analysis of MEOX2 expression in HeLa ((Cat # AT2846a)

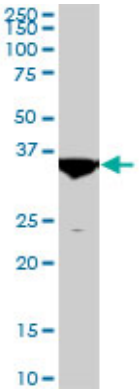


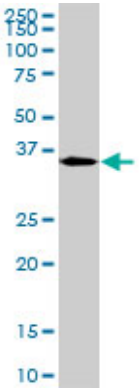
MEOX2 monoclonal antibody (M03), clone 6A5. Western Blot analysis of MEOX2 expression in PC-12 ((Cat # AT2846a)



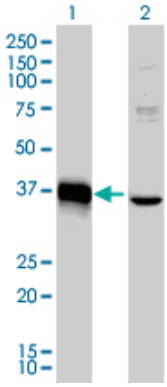
MEOX2 monoclonal antibody (M03), clone 6A5. Western Blot analysis of MEOX2 expression in Hela S3 NE ((Cat # AT2846a)

MEOX2 monoclonal antibody (M03), clone 6A5. Western Blot analysis of MEOX2 expression in Raw 264.7 ((Cat # AT2846a)



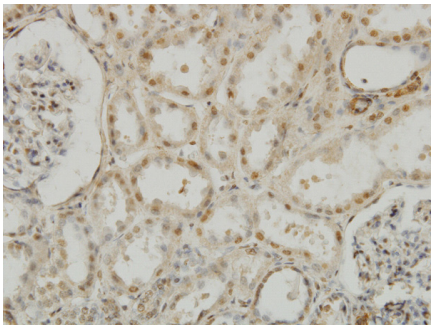


MEOX2 monoclonal antibody (M03), clone 6A5. Western Blot analysis of MEOX2 expression in NIH/3T3 ((Cat # AT2846a)

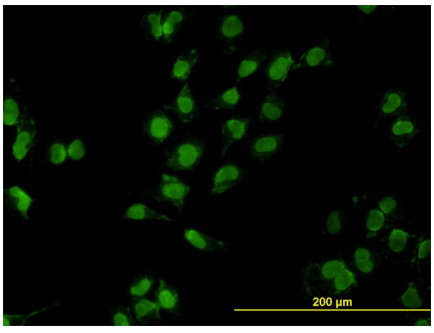


Western Blot analysis of MEOX2 expression in transfected 293T cell line by MEOX2 monoclonal antibody (M03), clone 6A5.

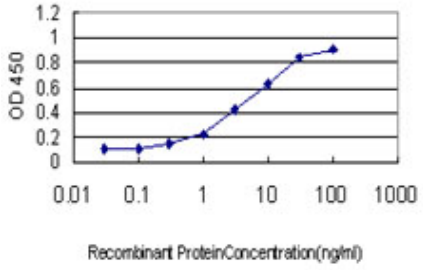
Lane 1: MEOX2 transfected lysate(33 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to MEOX2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to MEOX2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged MEOX2 is approximately 0.3ng/ml as a capture antibody.

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