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IRX5 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant IRX5.
Catalog # AT2555a

Product Information

Application	WB, IF, E
Primary Accession	P78411
Other Accession	NM_005853
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	8A12
Calculated MW	50361

Additional Information

Gene ID	10265
Other Names	Iroquois-class homeodomain protein IRX-5, Homeodomain protein IRX-2A, Homeodomain protein IRXB2, Iroquois homeobox protein 5, IRX5, IRX2A, IRXB2
Target/Specificity	IRX5 (NP_005844, 204 a.a. ~ 264 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	IRX5 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

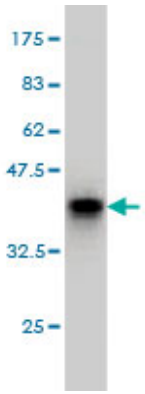
IRX5 is a member of the Iroquois homeobox gene family. Members of this family appear to play multiple roles during pattern formation of vertebrate embryos.

References

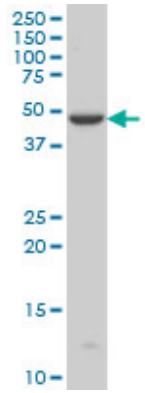
The iroquois homeobox gene 5 is regulated by 1,25-dihydroxyvitamin D3 in human prostate cancer and regulates apoptosis and the cell cycle in LNCaP prostate cancer cells. Myrthue A, et al. Clin Cancer Res, 2008 Jun 1. PMID 18519790.A novel human AP endonuclease with conserved zinc-finger-like motifs involved in

DNA strand break responses. Kanno S, et al. EMBO J, 2007 Apr 18. PMID 17396150.[Irx5: a transcription factor that regulates the cardiac repolarization gradient] Bruneau BG. Med Sci (Paris), 2006 Mar. PMID 16527195.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Cloning and chromosome mapping of human and chicken Iroquois (IRX) genes. Ogura K, et al. Cytogenet Cell Genet, 2001. PMID 11435706.

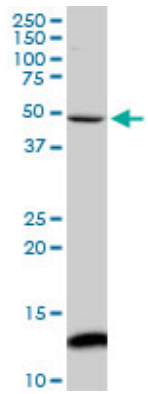
Images



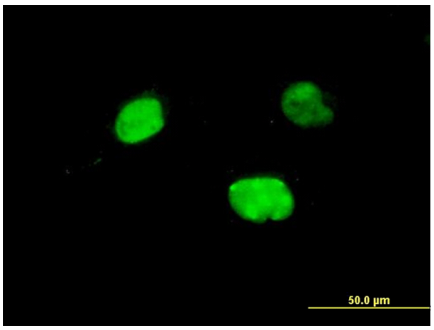
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.45 KDa) .



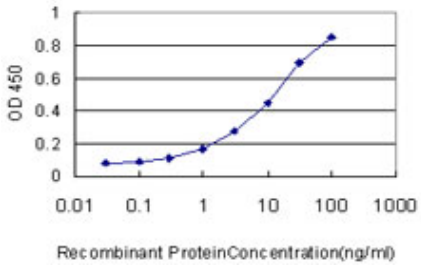
IRX5 monoclonal antibody (M06), clone 8A12. Western Blot analysis of IRX5 expression in Raw 264.7.



IRX5 monoclonal antibody (M06), clone 8A12. Western Blot analysis of IRX5 expression in NIH/3T3((Cat # AT2555a)



Immunofluorescence of monoclonal antibody to IRX5 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged IRX5 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'.