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IRX3 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant IRX3.
Catalog # AT2551a

Product Information

Application	WB, IF, E
Primary Accession	P78415
Other Accession	NM_024336
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D7
Calculated MW	52119

Additional Information

Gene ID	79191
Other Names	Iroquois-class homeodomain protein IRX-3, Homeodomain protein IRXB1, Iroquois homeobox protein 3, IRX3, IRXB1
Target/Specificity	IRX3 (NP_077312, 182 a.a. ~ 285 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	IRX3 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

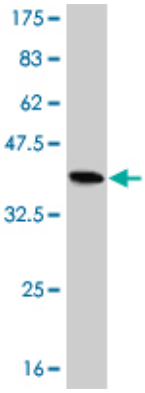
IRX3 is a member of the Iroquois homeobox gene family (see IRX1; MIM 606197) and plays a role in an early step of neural development (Bellefroid et al., 1998 [PubMed 9427753]). Members of this family appear to play multiple roles during pattern formation of vertebrate embryos (Lewis et al., 1999 [PubMed 10370142]).

References

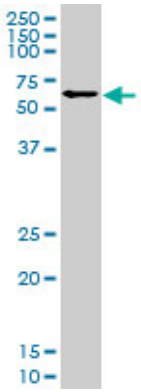
Long-range gene regulation links genomic type 2 diabetes and obesity risk regions to HHEX, SOX4, and IRX3. Ragvin A, et al. Proc Natl Acad Sci U S A, 2010 Jan 12. PMID 20080751.Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID

19240061.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.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.Regulated expression patterns of IRX-2, an Iroquois-class homeobox gene, in the human breast. Lewis MT, et al. Cell Tissue Res, 1999 Jun. PMID 10370142.

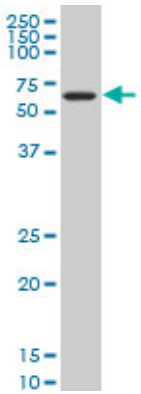
Images



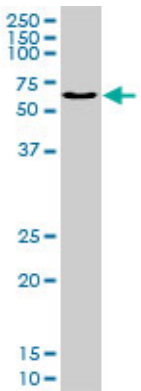
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.18 KDa) .



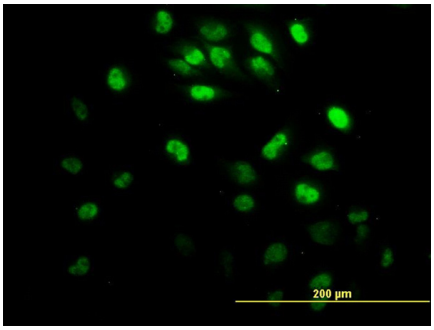
IRX3 monoclonal antibody (M05), clone 1D7. Western Blot analysis of IRX3 expression in PC-12 ((Cat # AT2551a)



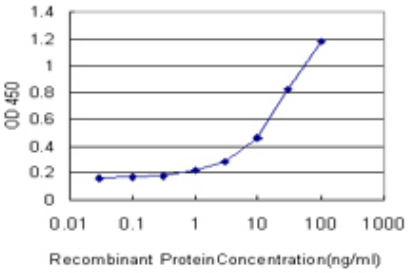
IRX3 monoclonal antibody (M05), clone 1D7 Western Blot analysis of IRX3 expression in Hela S3 NE ((Cat # AT2551a)



IRX3 monoclonal antibody (M05), clone 1D7. Western Blot analysis of IRX3 expression in NIH/3T3 ((Cat # AT2551a)



Immunofluorescence of monoclonal antibody to IRX3 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged IRX3 is approximately 1ng/ml as a capture antibody.

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