

## IRX5 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant IRX5.

Catalog # AT2555a

### Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P78411</a>
<b>Other Accession</b>	<a href="#">NM_005853</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG1 Kappa
<b>Clone Names</b>	8A12
<b>Calculated MW</b>	50361

### Additional Information

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<b>Gene ID</b>	10265
<b>Other Names</b>	Iroquois-class homeodomain protein IRX-5, Homeodomain protein IRX-2A, Homeodomain protein IRXB2, Iroquois homeobox protein 5, IRX5, IRX2A, IRXB2
<b>Target/Specificity</b>	IRX5 (NP_005844, 204 a.a. ~ 264 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	IRX5 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

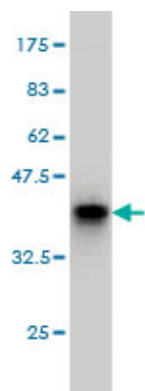
### References

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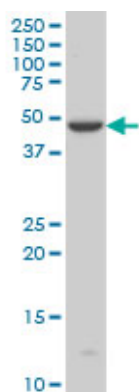
The iroquois homeobox gene 5 is regulated by 1,25-dihydroxyvitamin D3 in human prostate cancer and regulates apoptosis and the cell cycle in LNCaP prostate cancer cells. Myrthue A, et al. Clin Cancer Res, 2008 Jun 1. PMID 18519790. A novel human AP endonuclease with conserved zinc-finger-like motifs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

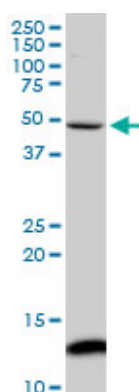
## Images



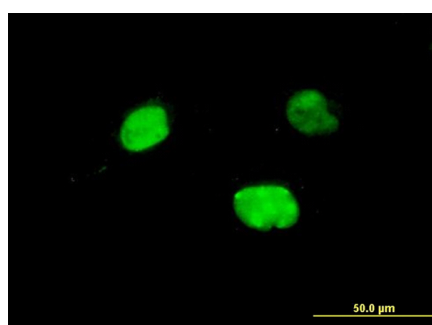
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.45 KDa) .



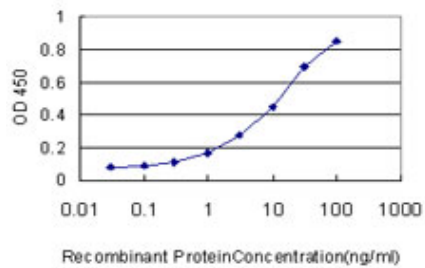
IRX5 monoclonal antibody (M06), clone 8A12. Western Blot analysis of IRX5 expression in Raw 264.7.



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'.