

IRX5 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant IRX5.****Catalog # AT2554a****Specification**

IRX5 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, E
Primary Accession	P78411
Other Accession	NM_005853
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	50361

IRX5 Antibody (monoclonal) (M01) - 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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

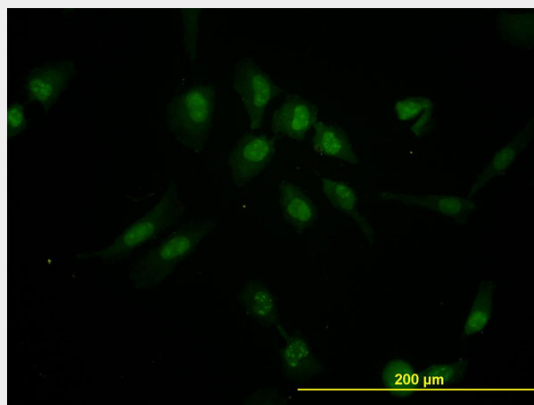
IRX5 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

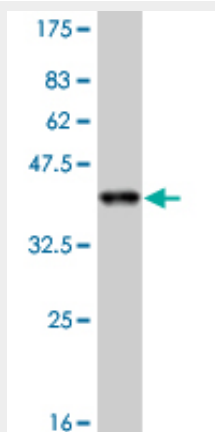
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

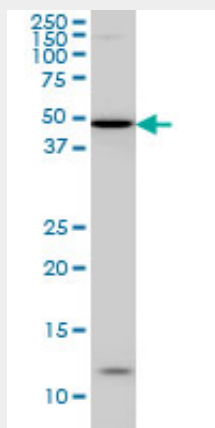
IRX5 Antibody (monoclonal) (M01) - Images



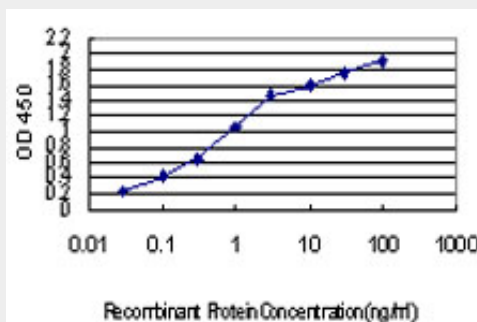
Immunofluorescence of monoclonal antibody to IRX5 on HeLa cell. [antibody concentration 10 ug/ml]



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



IRX5 monoclonal antibody (M01), clone 6B5 Western Blot analysis of IRX5 expression in HepG2 (Cat # AT2554a)



Detection limit for recombinant GST tagged IRX5 is approximately 0.03ng/ml as a capture antibody.

IRX5 Antibody (monoclonal) (M01) - 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.

IRX5 Antibody (monoclonal) (M01) - 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.