10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IRX5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant IRX5.

Catalog # AT2554a

Specification

IRX5 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, 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

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

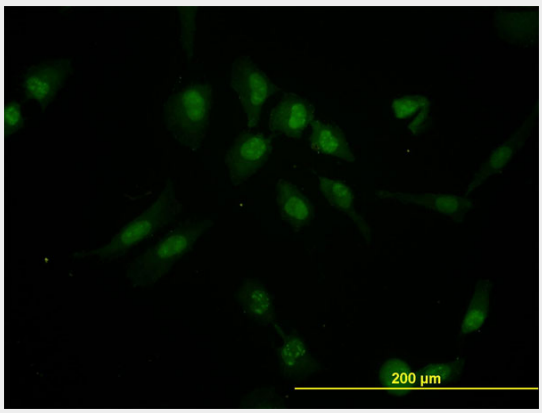
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

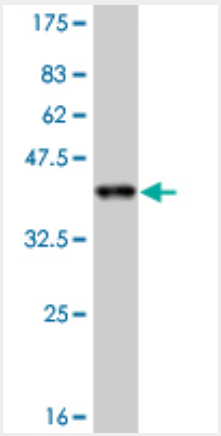
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

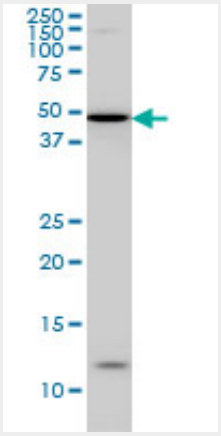
IRX5 Antibody (monoclonal) (M01) - Images



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



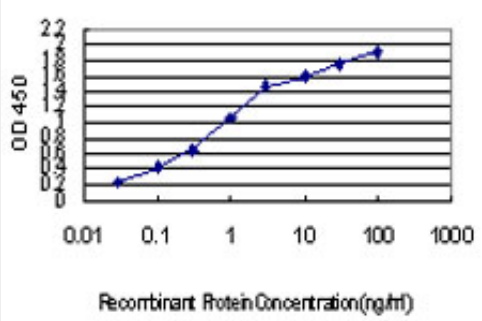
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (32.45 KDa) .



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

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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.