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HOXC9 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HOXC9.
Catalog # AT2424a

Specification

HOXC9 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	P31274
Other Accession	BC053894
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**29248**

HOXC9 Antibody (monoclonal) (M01) - Additional Information

Gene ID 3225

Other Names
Homeobox protein Hox-C9, Homeobox protein Hox-3B, HOXC9, HOX3B

Target/Specificity
HOXC9 (AAH53894, 1 a.a. ~ 260 a.a) full-length 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
HOXC9 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

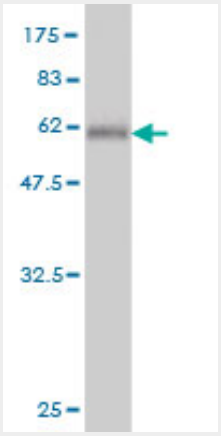
HOXC9 Antibody (monoclonal) (M01) - Protocols

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

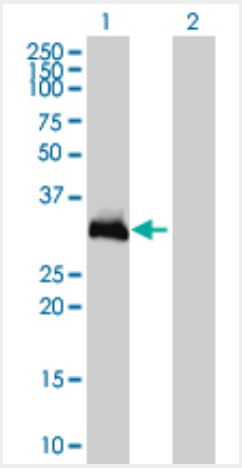
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HOXC9 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (54.34 KDa) .



Western Blot analysis of HOXC9 expression in transfected 293T cell line by HOXC9 monoclonal antibody (M01), clone 2B12.

Lane 1: HOXC9 transfected lysate(29.9 KDa).
Lane 2: Non-transfected lysate.

HOXC9 Antibody (monoclonal) (M01) - Background

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12.

HOXC9 Antibody (monoclonal) (M01) - References

RASSF1A, APC, ESR1, ABCB1 and HOXC9, but not p16INK4A, DAPK1, PTEN and MT1G genes were frequently methylated in the stage I non-small cell lung cancer in China. Lin Q, et al. J Cancer Res Clin Oncol, 2009 Dec. PMID 19506903.Search for cellular partners of human papillomavirus type 16 E2 protein. Olejnik-Schmidt AK, et al. Arch Virol, 2008. PMID 18305892.Expression of HOXC9 and E2F2 are up-regulated in CD133(+) cells isolated from human astrocytomas and associate with transformation of human astrocytes. Okamoto OK, et al. Biochim Biophys Acta, 2007 Jul-Aug. PMID 17588684.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.The cell-cycle regulator geminin inhibits Hox function through direct and polycomb-mediated interactions. Luo L, et al. Nature, 2004 Feb 19. PMID 14973489.