

LMO4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LMO4.

Catalog # AT2726a

Specification

LMO4 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, E
Primary Accession	P61968
Other Accession	BC017673
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Lambda
Calculated MW	17994

LMO4 Antibody (monoclonal) (M01) - Additional Information

Gene ID 8543

Other Names

LIM domain transcription factor LMO4, Breast tumor autoantigen, LIM domain only protein 4, LMO-4, LMO4

Target/Specificity

LMO4 (AAH17673, 1 a.a. ~ 165 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

LMO4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

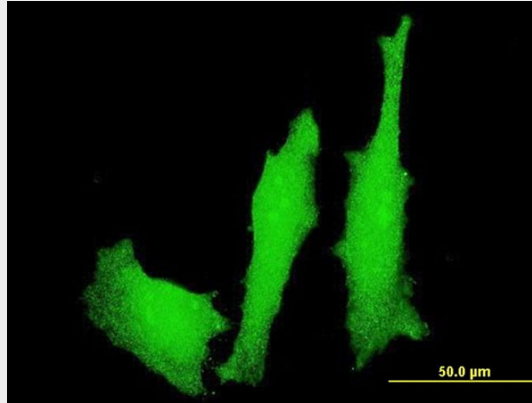
LMO4 Antibody (monoclonal) (M01) - Protocols

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

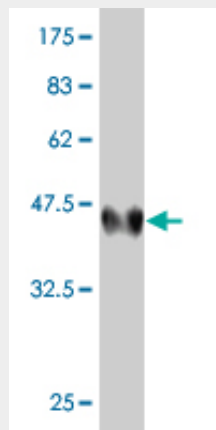
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

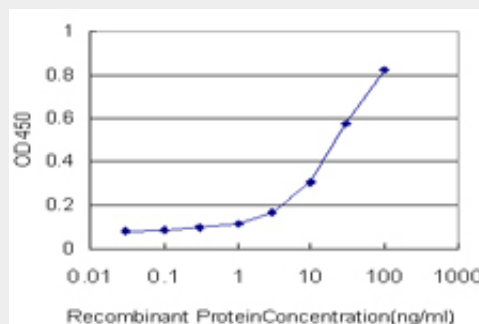
LMO4 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to LMO4 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.89 KDa) .



Detection limit for recombinant GST tagged LMO4 is approximately 0.3ng/ml as a capture antibody.

LMO4 Antibody (monoclonal) (M01) - Background

This gene encodes a cysteine-rich protein that contains two LIM domains but lacks a DNA-binding homeodomain. The encoded protein may play a role as a transcriptional regulator or as an oncogene.

LMO4 Antibody (monoclonal) (M01) - References

Case-control study of six genes asymmetrically expressed in the two cerebral hemispheres: association of BAIAP2 with attention-deficit/hyperactivity disorder. Ribas M, et al. *Biol Psychiatry*, 2009 Nov 15. PMID 19733838. LMO4 is an essential mediator of ErbB2/HER2/Neu-induced breast cancer cell cycle progression. Montano-Wisovich ME, et al. *Oncogene*, 2009 Oct 15. PMID 19648968. Genome-wide and candidate gene association study of cigarette smoking behaviors. Caporaso N, et al. *PLoS One*, 2009. PMID 19247474. Transcription factor Lmo4 defines the shape of functional areas in developing cortices and regulates sensorimotor control. Huang Z, et al. *Dev Biol*, 2009 Mar 1. PMID 19111533. LIM only 4 is overexpressed in late stage pancreas cancer. Yu J, et al. *Mol Cancer*, 2008 Dec 22. PMID 19099607.