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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

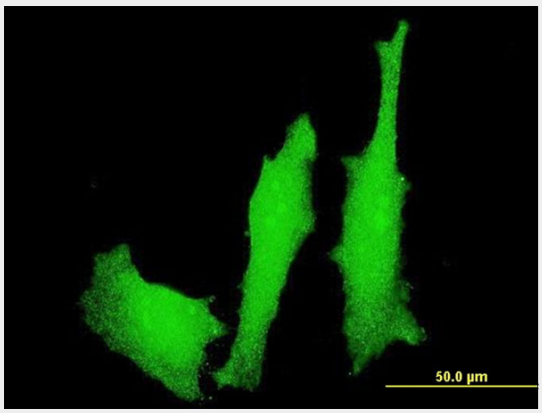
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

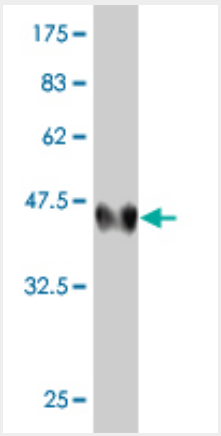
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

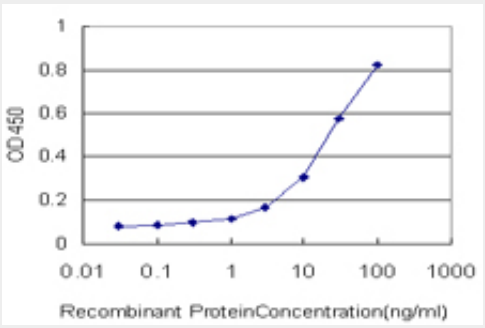
LMO4 Antibody (monoclonal) (M01) - Images



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?s 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. Monta?ez-Wiscovich 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.