

# LMO4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LMO4.

Catalog # AT2726a

## Product Information

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<b>Application</b>	WB, IF, E
<b>Primary Accession</b>	<a href="#">P61968</a>
<b>Other Accession</b>	<a href="#">BC017673</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Lambda
<b>Clone Names</b>	4H8
<b>Calculated MW</b>	17994

## Additional Information

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<b>Gene ID</b>	8543
<b>Other Names</b>	LIM domain transcription factor LMO4, Breast tumor autoantigen, LIM domain only protein 4, LMO-4, LMO4
<b>Target/Specificity</b>	LMO4 (AAH17673, 1 a.a. ~ 165 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	LMO4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

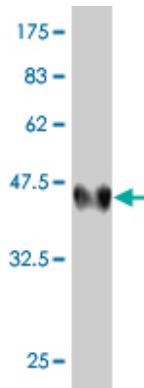
## References

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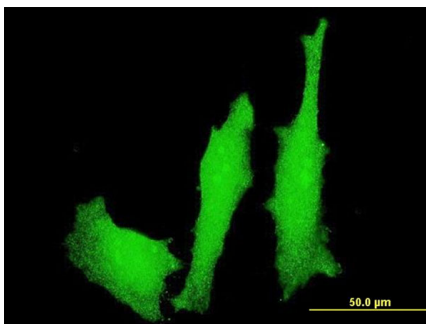
Case-control study of six genes asymmetrically expressed in the two cerebral hemispheres: association of BAIAP2 with attention-deficit/hyperactivity disorder. Ribas?s M, et al. Biol Psychiatry, 2009 Nov 15. PMID 19733838.LMO4 is an essential mediator of ErbB2/HER2/Neu-induced breast cancer cell cycle 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.

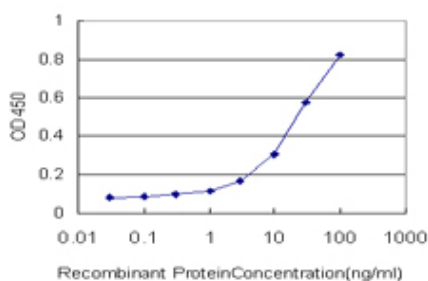
## Images



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.