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LMO4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant LMO4.
Catalog # AT2726a

Product Information

Application	WB, IF, E
Primary Accession	P61968
Other Accession	BC017673
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Lambda
Clone Names	4H8
Calculated MW	17994

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 IF~~1:50~200 E~~N/A
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.

Background

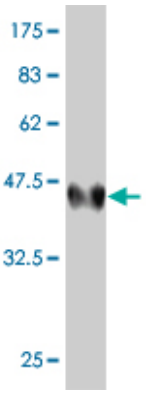
This gene encodes a cysteine-rich protein that contains two LIM domains but lacks a DNA-binding homeodomain. The encoded protein may play a role as a transcriptional regulator or as an oncogene.

References

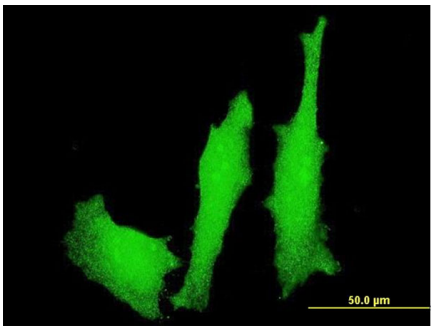
Case-control study of six genes asymmetrically expressed in the two cerebral hemispheres: association of BAIAP2 with attention-deficit/hyperactivity disorder. Ribas?s M, et al. Biol Psychiatry, 2009 Nov 15. PMID 19733838.LMO4 is an essential mediator of ErbB2/HER2/Neu-induced breast cancer cell cycle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

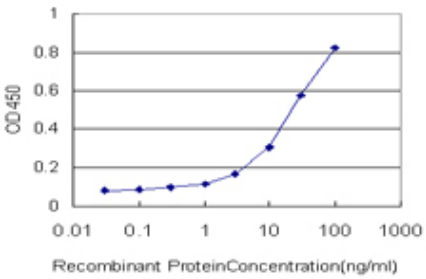
Images



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'.