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LMO4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10757C

Product Information

Application	WB, IF, FC, E
Primary Accession	P61968
Other Accession	P61969, Q3SWZ8, NP_006760.1
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24682
Calculated MW	17994
Antigen Region	104-131

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	This LMO4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-131 amino acids from the Central region of human LMO4.
Dilution	WB~~1:1000 IF~~1:10~50 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LMO4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LMO4
Function	Transcription cofactor. Plays a role in establishing motor neuron identity, in

concert with MNX1, acting, at least in part, to disrupt LDB1-LHX3 complexes thereby negatively modulating interneuron genes in motor neurons.

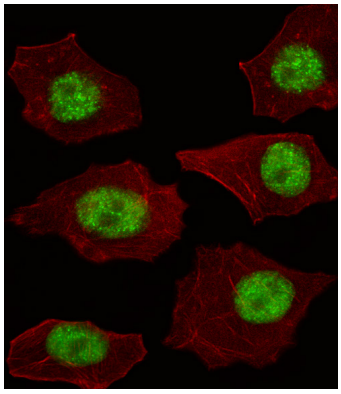
Background

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.

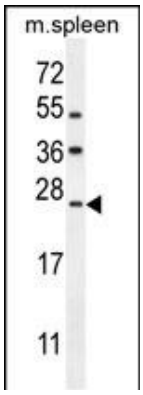
References

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Ribases, M., et al. Biol. Psychiatry 66(10):926-934(2009)
Montanez-Wiscovich, M.E., et al. Oncogene 28(41):3608-3618(2009)
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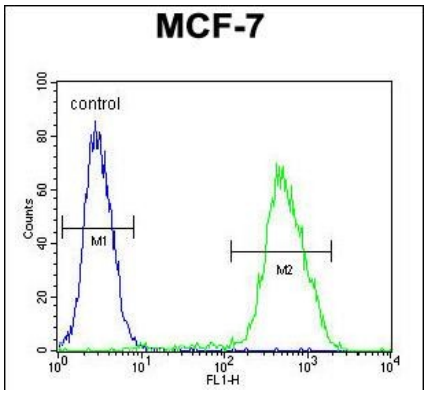
Images



Fluorescent image of A549 cell stained with LMO4 Antibody (Center)(Cat#AP10757c).A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with LMO4 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C).LMO4 immunoreactivity is localized to Nucleus significantly.



LMO4 Antibody (Center) (Cat. #AP10757c) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the LMO4 antibody detected the LMO4 protein (arrow).



LMO4 Antibody (Center) (Cat. #AP10757c) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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