

**LMO4 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP10757C**

**Specification**

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**LMO4 Antibody (Center) - Product Information**

Application	IF, WB, FC,E
Primary Accession	<a href="#">P61968</a>
Other Accession	<a href="#">P61969</a> , <a href="#">Q3SWZ8</a> , <a href="#">NP_006760.1</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17994
Antigen Region	104-131

**LMO4 Antibody (Center) - 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**

IF~~1:10~50  
WB~~1:1000  
FC~~1:10~50

**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.

**LMO4 Antibody (Center) - Protein Information**

## Name LMO4

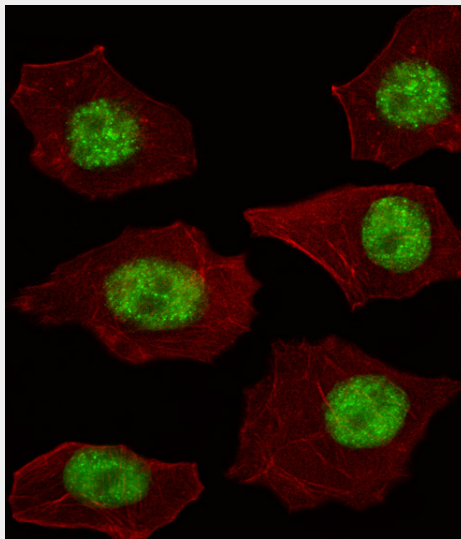
**Function** Transcription cofactor. Plays a role in establishing motor neuron identity, in concert with MNX1, acting, at least in part, to disrupt LDB1-LHX3 complexes thereby negatively modulating interneuron genes in motor neurons.

## LMO4 Antibody (Center) - Protocols

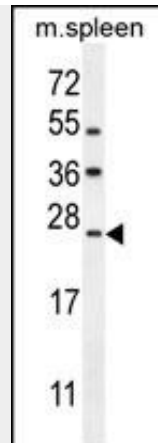
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

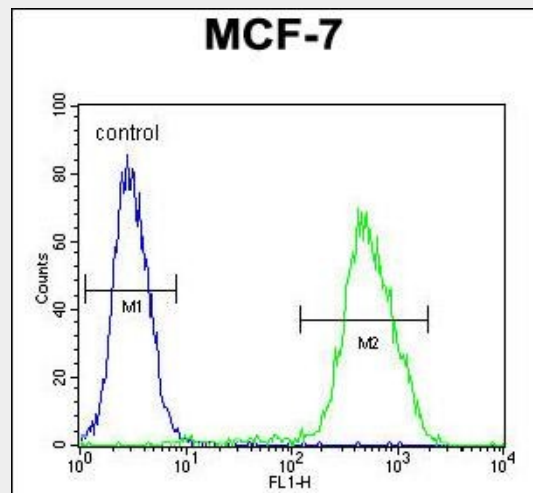
## LMO4 Antibody (Center) - Images



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.

### LMO4 Antibody (Center) - 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 (Center) - References

- Tian, Y., et al. Clin. Exp. Metastasis 27(7):455-463(2010)
- Ribases, M., et al. Biol. Psychiatry 66(10):926-934(2009)
- Montanez-Wiscovich, M.E., et al. Oncogene 28(41):3608-3618(2009)
- Huang, Z., et al. Dev. Biol. 327(1):132-142(2009)
- Caporaso, N., et al. PLoS ONE 4 (2), E4653 (2009) :