

# Anti-LMO4 Antibody

Rabbit polyclonal antibody to LMO4

Catalog # AP61307

## Product Information

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<b>Application</b>	WB, IF/IC, IHC
<b>Primary Accession</b>	<a href="#">P61968</a>
<b>Other Accession</b>	<a href="#">P61969</a>
<b>Reactivity</b>	Human, Mouse, Rat, Zebrafish, Pig, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<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
<b>Target/Specificity</b>	Recognizes endogenous levels of LMO4 protein.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/IC (1/100 - 1/500)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	LMO4
<b>Function</b>	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.

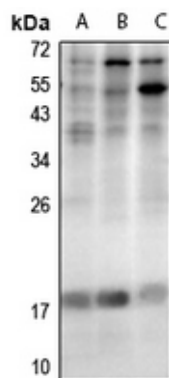
## Background

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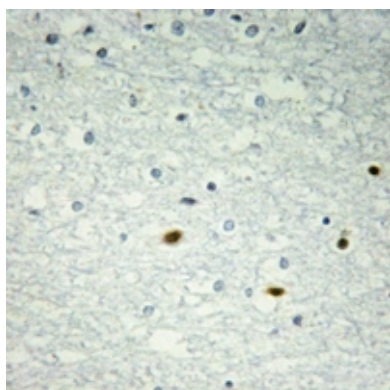
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human LMO4. The exact sequence is proprietary.

## Images

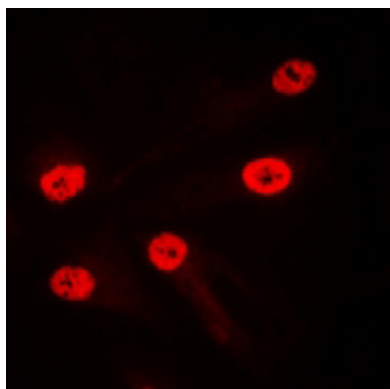
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Western blot analysis of LMO4 expression in A549 (A), HeLa (B), AML12 (C) whole cell lysates.



Immunohistochemical analysis of LMO4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of LMO4 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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