

Recombinant LMO4 Monoclonal Antibody

catalog number: AN301825L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

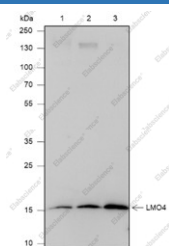
Reactivity	Human;Mouse
Immunogen	A synthetic peptide of human LMO4
Host	Rabbit
Isotype	Rabbit IgG
Clone	C231447
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:5000
IP	1:20-1:100

Data



Western Blot with LMO4 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: NIH/3T3

Observed-MW: 18 kDa

Calculated-MW: 18 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

LMO4 is a LIM zinc-binding domain-containing protein. LMO4 cDNA was first isolated from a breast tumor cDNA library. This transcriptional modulator is overexpressed in several epithelial cancers such as prostate, pancreas, and breast. LMO4 exhibits pro-oncogenic activities by inducing centrosome amplification and mitotic spindle abnormalities. LMO4 is also expressed in the brain, in regions involved in learning and the regulation of motivated behavior. In the basolateral amygdala, LMO4 functions to negatively regulate fear learning. Furthermore, in the nucleus accumbens, LMO4 was found to regulate the behavioral effects of cocaine.

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