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# **Recombinant LMO4 Monoclonal Antibody**

catalog number: AN301825L

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

### Description

Reactivity Human; Mouse

Immunogen Recombinant human LMO4 fragment

HostRabbitIsotypeIgG, κCloneA537

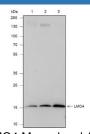
**Purification** Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

WB 1:500-1:1000

#### 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 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.