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Datasheet for ABIN760483
anti-LMO4 antibody (AA 65-165) (Biotin)

Overview

Quantity:	100 µL
Target:	LMO4
Binding Specificity:	AA 65-165
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LMO4 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LMO4
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	LMO4
Alternative Name:	LMO4 (LMO4 Products)
Background:	Synonyms: LMO 4, Breast tumor autoantigen, LIM domain only 4, LIM domain only protein 4,

Target Details

LIM domain transcription factor LMO 4, LIM domain transcription factor LMO4, LMO-4, LMO4, LMO4_HUMAN.

Background: The LIM-only (LMO) proteins, LMO1 and LMO2, are nuclear factors that are characterized by a conserved LIM domain (1). The LIM domain consists of a cysteine-rich zinc-binding motif that is present in a variety of transcription factors, including the LIM homeobox (LHX) proteins expressed in the central nervous system and involved in cell differentiation (2). LMO1 and LMO2 are expressed in the adult CNS in a cell type-specific manner, where they are differentially regulated by neuronal activity and are involved in regulating the cellular differentiated phenotype of neurons (3). LMO2 lacks a specific DNA-binding homeobox domain but rather assembles into transcriptional regulatory complexes to mediate gene expression by interacting with the widely expressed nuclear LIM interactor (NLI) (4). NLI, known also as CLIM-1, and the related protein CLIM-2 facilitate the formation of heteromeric LIM complexes and also enhance the nuclear retention of LIM proteins (5). LMO2 and the related protein LMO4 are expressed in thymic precursor cells (6). LMO4 is also expressed in mature T cells, cranial neural crest cells, somite, dorsal limb bud mesenchyme, motor neurons, and Schwann cell progenitors (7).

Gene ID: 8543

Pathways: [Tube Formation](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months