

LMO1 Rabbit pAb

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Catalog # AP57036

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P25800
Reactivity	Rat, Mouse
Predicted	Pig, Cat, Spider Monkey, Human, Rabbit, Zebrafish, Monkey, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17828
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LMO1
Epitope Specificity	1-80/156
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear
DISEASE	A chromosomal aberration involving LMO1 may be a cause of a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(11,14)(p15;q11) with TCRD.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This locus encodes a transcriptional regulator that contains two cysteine-rich LIM domains but lacks a DNA-binding domain. LIM domains may play a role in protein interactions; thus the encoded protein may regulate transcription by competitively binding to specific DNA-binding transcription factors. Alterations at this locus have been associated with acute lymphoblastic T-cell leukemia. Chromosomal rearrangements have been observed between this locus and at least two loci, the delta subunit of the T-cell antigen receptor gene and the LIM domain binding 1 gene. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2012]

Additional Information

Gene ID	4004
Other Names	Rhombotin-1, Cysteine-rich protein TTG-1, LIM domain only protein 1, LMO-1, T-cell translocation protein 1, LMO1, RBTN1, RHOM1, TTG1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

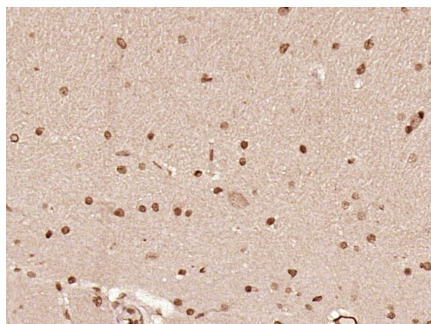
Protein Information

Name	LMO1
Synonyms	RBTN1, RHOM1, TTG1
Function	May be involved in gene regulation within neural lineage cells potentially by direct DNA binding or by binding to other transcription factors.
Cellular Location	Nucleus.
Tissue Location	Expressed mainly in the central nervous. Low level of expression in other tissues including thymus

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LMO1) Polyclonal Antibody, Unconjugated (AP57036) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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