

LMO2 Rabbit pAb

Catalog # AP98885

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P25791
Other Accession	P25791
Predicted	Rat, Human, Mouse, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18358
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LMO2
Epitope Specificity	71-158/158
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 2 LIM zinc-binding domains.
SUBUNIT	Interacts via its LIM domains with ELF2 and LBD1. Also interacts with basic helix-loop-helix protein TAL1/SCL and can assemble in a complex with LMO2 and TAL1/SCL (By similarity). Interacts with BEX2 and KDM5A.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. The LMO2 transcription start site is located approximately 25 kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where a number T-cell acute lymphoblastic leukemia-specific translocations occur. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Nov 2008]

Additional Information

Gene ID	4005
Other Names	LMO-2; RBTN2; RBTNL1; RHOM2; TTG2; Rbtn-2; Rhom-2; RBTN2_HUMAN; LMO2; Cysteine-rich protein TTG-2; LIM domain only protein 2 (LMO-2); T-cell translocation protein 2; RBTN2_MOUSE; LIM domain only 2; rhombotin-like 1; T-cell translocation gene 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	LMO2
Synonyms	RBTN2, RBTN1, RHOM2, TTG2
Function	Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.
Cellular Location	Nucleus.

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