10320 Camino Santa Fe, Suite G
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LMO2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14102a

Specification

LMO2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P25791
Other Accession	P25801, NP_001135788.1, NP_001135787.1, NP_005565.2
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**18358**
Antigen Region	**1-30**

LMO2 Antibody (N-term) - Additional Information

Gene ID 4005

Other Names
Rhombotin-2, Cysteine-rich protein TTG-2, LIM domain only protein 2, LMO-2, T-cell translocation protein 2, LMO2, RBTN2, RBTNL1, RHOM2, TTG2

Target/Specificity
This LMO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human LMO2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LMO2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LMO2 Antibody (N-term) - Protein Information

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Name LMO2

Synonyms RBTN2, RBTNL1, 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.

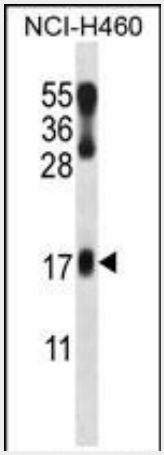
Cellular Location
Nucleus.

LMO2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

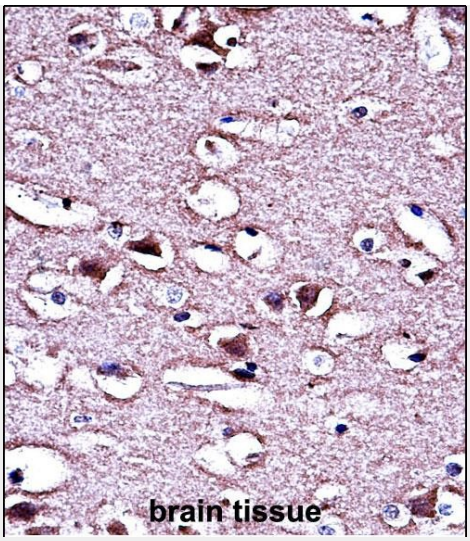
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LMO2 Antibody (N-term) - Images



LMO2 Antibody (N-term) (Cat. #AP14102a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the LMO2 antibody detected the LMO2 protein (arrow).

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LMO2 Antibody (N-term) (Cat. #AP14102a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of LMO2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LMO2 Antibody (N-term) - Background

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.

LMO2 Antibody (N-term) - References

Oram, S.H., et al. Oncogene 29(43):5796-5808(2010)
Younes, S.F., et al. Am. J. Surg. Pathol. 34(9):1266-1276(2010)
Hirose, K., et al. Blood 116(6):962-970(2010)
Durnick, D.K., et al. Am. J. Clin. Pathol. 134(2):278-281(2010)
Cobanoglu, U., et al. Hematology 15(3):132-134(2010)