

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

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

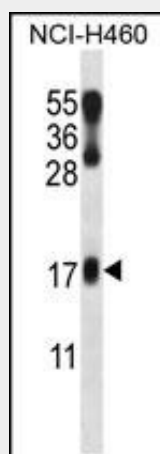
Nucleus.

LMO2 Antibody (N-term) - Protocols

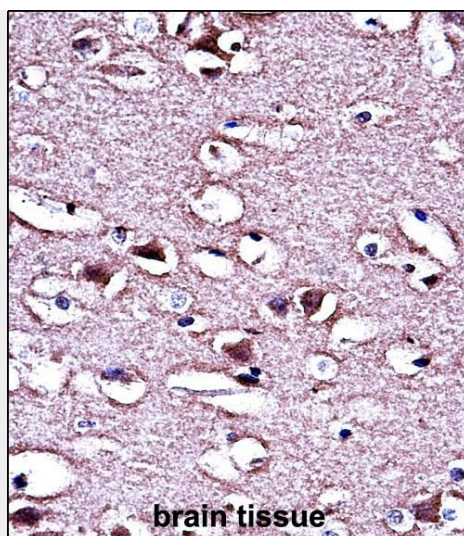
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



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)