

LMO2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1769a**Specification****LMO2 Antibody - Product Information**

Application	E, WB
Primary Accession	P25791
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	18.4kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human LMO2 (AA: 1-158) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

LMO2 Antibody - 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

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LMO2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LMO2 Antibody - 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.

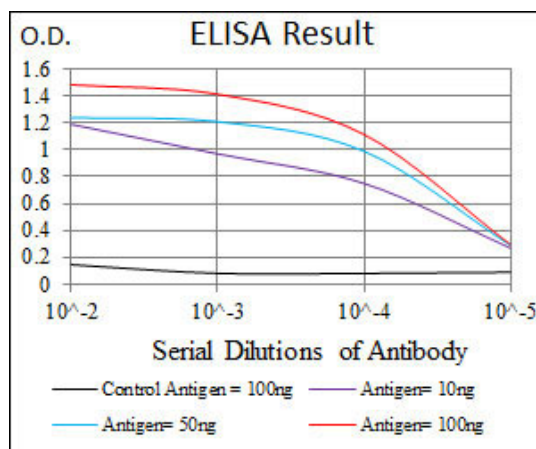
Cellular Location

Nucleus.

LMO2 Antibody - 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](#)



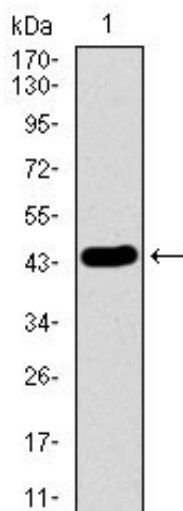


Figure 1: Western blot analysis using LMO2 mAb against human LMO2 recombinant protein. (Expected MW is 43.9 kDa)

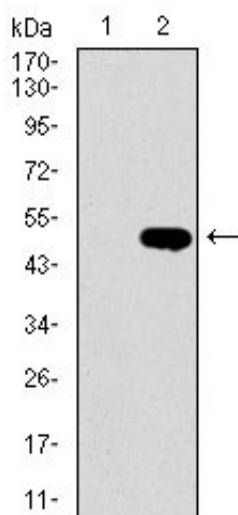


Figure 2: Western blot analysis using LMO2 mAb against HEK293 (1) and LMO2 (AA: 1-158)-hIgGFC transfected HEK293 (2) cell lysate.

LMO2 Antibody - References

1.FEBS J. 2011 Sep;278(17):3065-75. 2.Leuk Lymphoma. 2011 Jun;52(6):1146-9.