

**LMO2 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant LMO2.****Catalog # AT2722a****Specification**

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**LMO2 Antibody (monoclonal) (M01) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB                       |
| Primary Accession | <a href="#">P25791</a>   |
| Other Accession   | <a href="#">BC034041</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG1 Kappa               |
| Calculated MW     | 18358                    |

**LMO2 Antibody (monoclonal) (M01) - 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**

LMO2 (AAH34041, 1 a.a. ~ 158 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

LMO2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

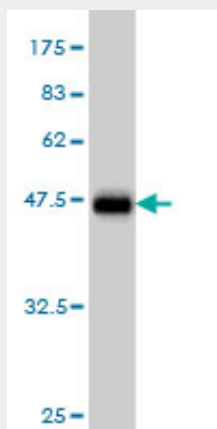
**LMO2 Antibody (monoclonal) (M01) - Protocols**

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

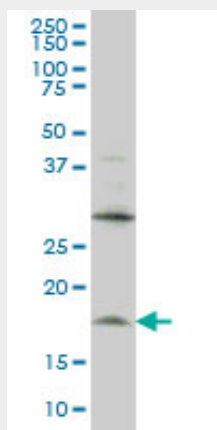
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

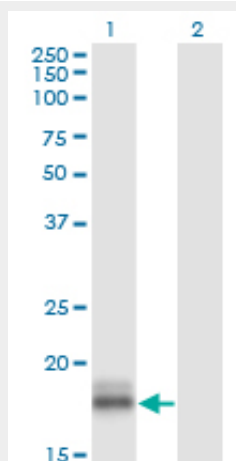
## LMO2 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.12 KDa) .



LMO2 monoclonal antibody (M01), clone 6B8 Western Blot analysis of LMO2 expression in HL-60 (Cat # AT2722a )



Western Blot analysis of LMO2 expression in transfected 293T cell line by LMO2 monoclonal antibody (M01), clone 6B8.

Lane 1: LMO2 transfected lysate(18.4 KDa).

Lane 2: Non-transfected lysate.

### **LMO2 Antibody (monoclonal) (M01) - 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 (monoclonal) (M01) - References**

Immunoarchitectural patterns in follicular lymphoma: efficacy of HGAL and LMO2 in the detection of the interfollicular and diffuse components. Younes SF, et al. Am J Surg Pathol, 2010 Sep. PMID 20697248. Expression of LMO2 is associated with t(14;18)/IGH-BCL2 fusion but not BCL6 translocations in diffuse large B-cell lymphoma. Durnick DK, et al. Am J Clin Pathol, 2010 Aug. PMID 20660332. Aberrant induction of LMO2 by the E2A-HLF chimeric transcription factor and its implication in leukemogenesis of B-precursor ALL with t(17;19). Hirose K, et al. Blood, 2010 Aug 12. PMID 20519628. Homo-binding character of LMO2 isoforms and their both synergic and antagonistic functions in regulating hematopoietic-related target genes. Sun W, et al. J Biomed Sci, 2010 Mar 27. PMID 20346173. Association between genetic variants in VEGF, ERCC3 and occupational benzene haematotoxicity. Hosgood HD 3rd, et al. Occup Environ Med, 2009 Dec. PMID 19773279.