



Rabbit Anti-LMO1 antibody

SL18313R

Product Name:	LMO1
Chinese Name:	TlymphocyteTransporter1抗体
Alias:	Cysteine rich protein TTG 1; Cysteine rich protein TTG1; LIM domain only 1; LIM domain only protein 1; LMO 1; MGC116692; RBTN 1; RBTN1; RHOM 1; RHOM1; Rhombotin 1; Rhombotin1; T cell translocation protein 1; TTG 1; TTG1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,Zebrafish,Guinea Pig,Monkey,Cat, Spider Monkey
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	18kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LMO1:1-80/156
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	This locus encodes a transcriptional regulator that contains two cysteine-rich LIM domains but lacks a DNA-binding domain. LIM domains may play a role in protein interactions; thus the encoded protein may regulate transcription by competitively binding to specific DNA-binding transcription factors. Alterations at this locus have

been associated with acute lymphoblastic T-cell leukemia. Chromosomal rearrangements have been observed between this locus and at least two loci, the delta subunit of the T-cell antigen receptor gene and the LIM domain binding 1 gene. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2012]

Function:

May be involved in gene regulation within neural lineage cells potentially by direct DNA binding or by binding to other transcription factors.

Subcellular Location:

Nuclear

Tissue Specificity:

Expressed mainly in the central nervous. Low level of expression in other tissues including thymus.

DISEASE:

A chromosomal aberration involving LMO1 may be a cause of a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(11,14)(p15;q11) with TCRD.

Similarity:

Contains 2 LIM zinc-binding domains.

SWISS:

P25800

Gene ID:

4004

Database links:

[Entrez Gene: 27152](#) Cow

[Entrez Gene: 4004](#) Human

[Entrez Gene: 109594](#) Mouse

[Entrez Gene: 245979](#) Rat

[Entrez Gene: 280646](#) Zebrafish

[Omim: 186921](#) Human

[SwissProt: Q0P5B3](#) Cow

[SwissProt: P25800](#) Human

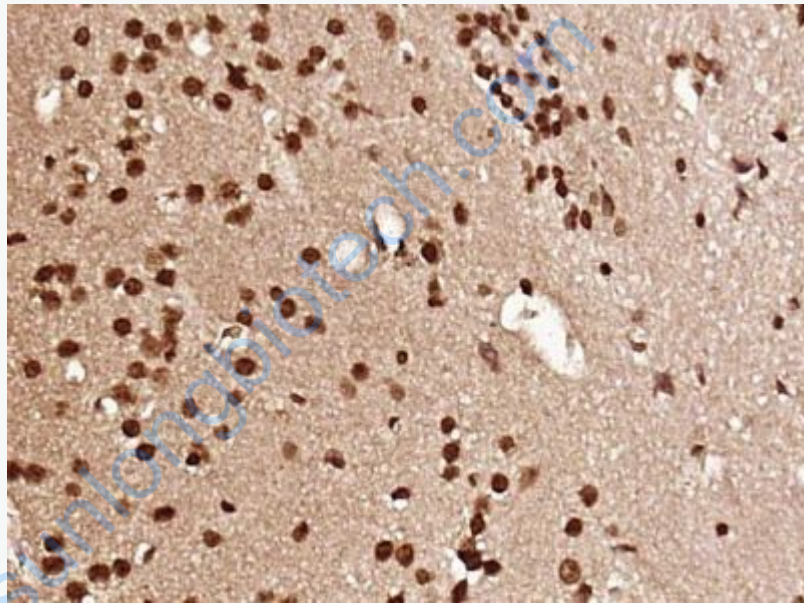
[SwissProt: Q924W9](#) Mouse

[SwissProt: Q8JFQ2](#) Zebrafish

[Unigene: 654426](#) Human

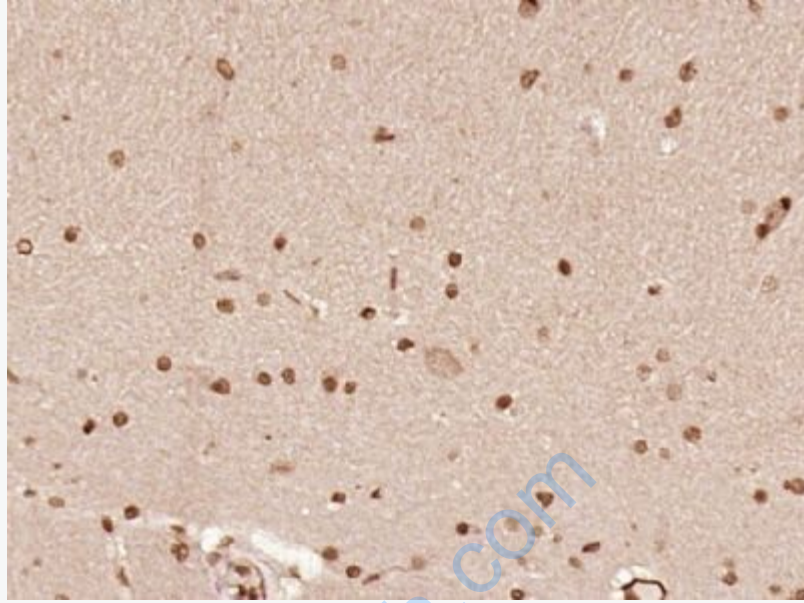
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LMO1) Polyclonal Antibody, Unconjugated (SL18313R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LMO1) Polyclonal Antibody, Unconjugated (SL18313R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.