

Rabbit LMO2 Polyclonal Antibody | anti-LMO2 antibody

Anti-LMO2 Picoband Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124709	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot

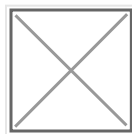
PRODUCT SYNONYMS

LMO2; Polyclonal Antibody; Anti-LMO2 Picoband Antibody; Rhombotin-2; Cysteine-rich protein TTG-2; LIM domain only protein 2; LMO-2; T-cell translocation protein 2; RBTN2; RBTN1; RHOM2; TTG2; anti-LMO2 antibody

PRODUCT SPECIFICATIONS

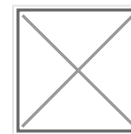
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	55
Applicable Applications for anti-LMO2 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human LMO2 (QKHFCVGDYLLINSDIVCEQDIYEWTKINGMI).
Subcellular Localization	Nucleus.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 2. Western blot analysis of LMO2 using anti-LMO2 antibody (AAA124709). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat C6 whole cell lysates, Lane 2: mouse Neuro-2a whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LMO2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LMO2 at approximately 23KD. The expected band size for LMO2 is at 18KD.



WB (Western Blot)

Figure 1. Western blot analysis of LMO2 using anti-LMO2 antibody (AAA124709). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human placenta tissue lysates, Lane 2: human SMMC-7721 whole cell lysates, Lane 3: human A375 whole cell lysates, Lane 4: human A431 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LMO2 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LMO2 at approximately 23KD. The expected band size for LMO2 is at 18KD.

ADDITIONAL INFORMATION

Related Product Information for anti-LMO2 antibody	Description: LIM domain only 2 (rhombotin-like 1), also known as LMO2, RBTN1, RBTN2, RHOM2, LIM Domain Only Protein 2, TTG2, and T-Cell Translocation Protein 2, is a protein which in humans is encoded by the LMO2 gene. 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. Protein Function: Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214832121
NCBI GeneID	4005
NCBI Accession #	NP_001135787.1
NCBI GenBank Nucleotide #	NM_001142315.1
UniProt Accession #	P25791; Q9HD58
Molecular Weight	5,941 Da
NCBI Official Full Name	rhombotin-2 isoform 2
NCBI Official Synonym Full Names	LIM domain only 2
NCBI Official Symbol	LMO2
NCBI Official Synonym Symbols	TTG2; LMO-2; RBTN2; RHOM2; RBTN1
NCBI Protein Information	rhombotin-2
UniProt Protein Name	Rhombotin-2
UniProt Gene Name	LMO2
UniProt Synonym Gene Names	RBTN2; RBTN1; RHOM2; TTG2; LMO-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.