

Anti-LMO1 Picoband Antibody

Catalog # ABO10326

Product Information

Application	WB
Primary Accession	P25800
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Rhombotin-1(LMO1) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	4004
Other Names	Rhombotin-1, Cysteine-rich protein TTG-1, LIM domain only protein 1, LMO-1, T-cell translocation protein 1, LMO1, RBTN1, RHOM1, TTG1
Calculated MW	17828
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Nucleus .
Tissue Specificity	Expressed mainly in the central nervous. Low level of expression in other tissues including thymus. .
Source	Eukaryota
Protein Name	Rhombotin-1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human LMO1 (127-156aa DKFFLKNNMILCQMDYEEGQLNGTFESQVQ), different from the related mouse sequence by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

freezing and thawing.

Protein Information

Name	LMO1
Synonyms	RBTN1, RHOM1, TTG1
Function	May be involved in gene regulation within neural lineage cells potentially by direct DNA binding or by binding to other transcription factors.
Cellular Location	Nucleus.
Tissue Location	Expressed mainly in the central nervous. Low level of expression in other tissues including thymus

Background

Rhombotin-1 is a protein that in humans is encoded by the LMO1 gene. 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.

Images



Western blot analysis of LMO1 expression in rat brain extract (lane 1), NIH3T3 whole cell lysates (lane 2) and HELA whole cell lysates (lane 3). LMO1 at 18KD was detected using rabbit anti- LMO1 Antigen Affinity purified polyclonal antibody (Catalog # ABO10326) at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.