Datasheet for ABIN7599263

anti-LHX1 antibody (AA 1-317)

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Overview

Quantity:	100 µg
Target:	LHX1
Binding Specificity:	AA 1-317
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LHX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-LIM1/LHX1 Antibody Picoband®
Immunogen:	E.coli-derived human LIM1/LHX1 recombinant protein (Position: M1-S317).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-LIM1/LHX1 Antibody Picoband® (ABIN7599263). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	LHX1
Alternative Name:	LHX1 (LHX1 Products)
Background:	Synonyms: LIM/homeobox protein Lhx1, LIM homeobox protein 1, Homeobox protein Lim-1, hLim-1, LHX1, LIM-1, LIM1 Tissue Specificity: Expressed in the brain, thymus, and tonsils. Expressed in samples from patients with chronic myeloid leukemia (CML) and in 58 % of acute myeloid leukemia (AML) cell lines. Background: LIM homeobox 1 is a protein that in humans is encoded by the LHX1 gene. It is mapped to 17q12. This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor important for the development of the renal and urogenital systems. This gene is a candidate for Mayer-Rokitansky-Kuster-Hauser syndrome, a disorder characterized by anomalies in the female genital tract.
Molecular Weight:	43 kDa
Gene ID:	3975
UniProt:	P48742

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bozzi, F., Bertuzzi, S., Strina, D., Giannetto, C., Vezzoni, P., Villa, A. The exon-intron structure of human LHX1 gene. Biochem. Biophys. Res. Commun. 229: 494-497, 1996. 2. Dong, W. F., Heng, H. H., Lowsky, R., Xu, Y., DeCoteau, J. F., Shi, X. M., Tsui, L. C., Minden, M. D. Cloning, expression, and chromosomal localization to 11p12-13 of a human LIM/HOMEOBOX gene, hLim-1. DNA Cell Biol. 16: 671-678, 1997. 3. Dorus, S., Vallender, E. J., Evans, P. D., Anderson, J. R., Gilbert, S. L., Mahowald, M., Wyckoff, G. J., Malcom, C. M., Lahn, B. T. Accelerated evolution of nervous system genes in the origin of Homo sapiens. Cell 119: 1027-1040, 2004.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.