

Rabbit LHX1 Polyclonal Antibody | anti-LHX1 antibody

LHX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325442	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

LHX1; Polyclonal Antibody; LHX1 Antibody; hLim-1; Homeo box protein Lim 1; Homeo box protein Lim1; Homeobox protein Lim 1; Homeobox protein Lim-1; Homeobox protein Lim1; LHX 1; LHX1_HUMAN; LIM 1; LIM homeo box 1; LIM homeo box protein 1; LIM homeobox 1; LIM homeobox protein 1; LIM-1; LIM/homeobox protein Lhx 1; LIM/homeobox protein Lhx1; MGC126723; MGC138141; anti-LHX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LHX1 antibody detects endogenous levels of total LHX1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-LHX1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
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.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (91%), Zebrafish (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (91%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)
AAA325442 at 1/100 staining Human heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from HuvEc/HeLa cells, using LHX1 antibody.



IF (Immunofluorescence)
AAA325442 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LHX1 antibody	Function: Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis. Subunit Structure: Interacts with LDB1 via the tandem LIM domains. Similarity: The LIM domains exert a negative regulatory function and disruption of the LIM domains produces an activated form. In addition, two activation domains and a negative regulatory domain exist C-terminally to the homeobox (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30410785
NCBI GeneID	3975
NCBI Accession #	NP_005559.2
NCBI GenBank Nucleotide #	NM_005568.4
UniProt Accession #	P48742; Q3MIW0
Molecular Weight	Observed: 44 kD Predicted: 45 kDa
NCBI Official Full Name	LIM/homeobox protein Lhx1
NCBI Official Synonym Full Names	LIM homeobox 1
NCBI Official Symbol	LHX1
NCBI Official Synonym Symbols	LIM1; LIM-1
NCBI Protein Information	LIM/homeobox protein Lhx1
UniProt Protein Name	LIM/homeobox protein Lhx1
UniProt Gene Name	LHX1
UniProt Synonym Gene Names	LIM-1; LIM1; LIM homeobox protein 1; hLim-1

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.

