



LHX1 Polyclonal Antibody

Catalog No	BYab-31404
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	LHX1
Protein Name	LIM/homeobox protein Lhx1
Immunogen	Synthesized peptide derived from the Internal region of human LHX1.
Specificity	LHX1 Polyclonal Antibody detects endogenous levels of LHX1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LHX1; LIM-1; LIM1; LIM/homeobox protein Lhx1; LIM homeobox protein 1; Homeobox protein Lim-1; hLim-1
Observed Band	44kD
Cell Pathway	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.
Function	domain: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.,function:Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis.,similarity:Contains 1 homeobox DNA-binding domain.,similarity:Contains 2 LIM zinc-binding domains.,subunit:Interacts with LDB1 via the tandem LIM domains.,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.,

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Background

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. [provided by RefSeq, Dec 2010],

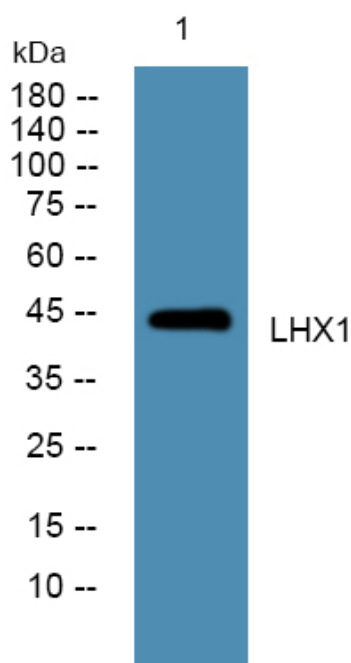
matters needing attention

Avoid repeated freezing and thawing!

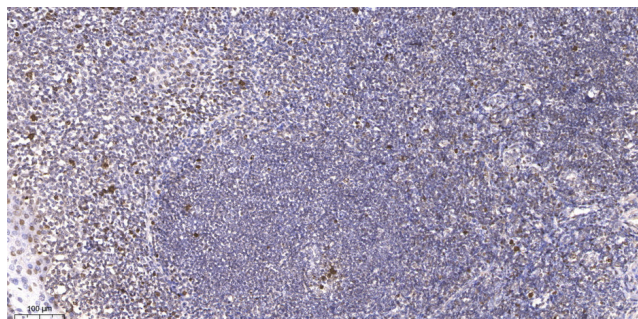
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).

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