

## LHX1 Polyclonal Antibody

<b>Catalog No :</b>	YT2559
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	LHX1
<b>Gene Name :</b>	LHX1
<b>Protein Name :</b>	LIM/homeobox protein Lhx1
<b>Human Gene Id :</b>	3975
<b>Human Swiss Prot No :</b>	P48742
<b>Mouse Gene Id :</b>	16869
<b>Mouse Swiss Prot No :</b>	P63006
<b>Rat Gene Id :</b>	257634
<b>Rat Swiss Prot No :</b>	P63007
<b>Immunogen :</b>	Synthesized peptide derived from the Internal region of human LHX1.
<b>Specificity :</b>	LHX1 Polyclonal Antibody detects endogenous levels of LHX1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 44kD

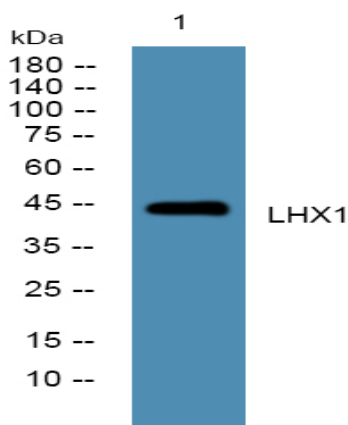
**Background :** This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor important for the development of the renal and urogenital systems. This gene is a candidate for Mayer-Rokitansky-Kuster-Hauser syndrome, a disorder characterized by anomalies in the female genital tract. [provided by RefSeq, Dec 2010],

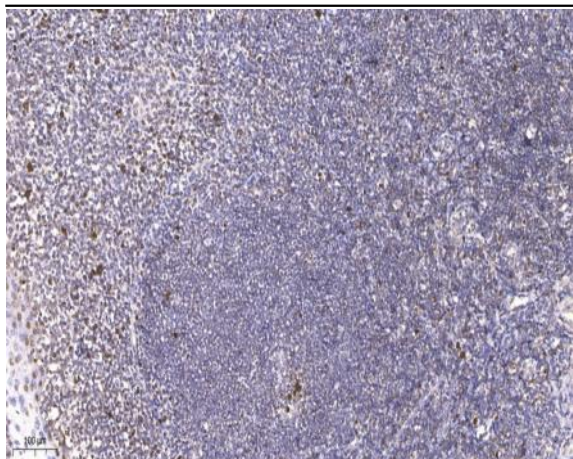
**Function :** domain:The LIM domains exert a negative regulatory function and disruption of the LIM domains produces an activated form. In addition, two activation domains and a negative regulatory domain exist C-terminally to the homeobox.,function:Potential transcription factor. May play a role in 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.,

**Subcellular Location :** Nucleus .

**Expression :** 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.

## Products Images





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).