



Rabbit Anti-TCL3/HOX11 antibody

SL17360R

Product Name:	TCL3/HOX11
Chinese Name:	T细胞白血病淋巴瘤蛋白3抗体
Alias:	Homeo box 11 (T cell leukemia 3 associated breakpoint homologous to Drosophila Notch); Homeo box 11 (T cell lymphoma 3 associated breakpoint); Homeobox 11; Homeobox protein Hox 11; Homeobox protein Hox-11; Homeobox TLX-1; Hox-11; Hox11; MGC163402; OTTHUMP00000020816; Proto oncogene TCL 3; Proto-oncogene TCL-3; RGD1563655; T cell leukemia homeobox protein 1; T cell leukemia lymphoma protein 3; T-all, included; T-cell acute lymphocytic leukemia, included; T-cell leukemia 3 gene; T-cell leukemia homeobox protein 1; T-cell leukemia, homeobox 1; T-cell leukemia/lymphoma protein 3; TCL 3 proto oncogene; TCL3; Tlx-1; TLX1; TLX1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TCL3/HOX11:121-220/330
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:	PubMed
Product Detail:	<p>The Hox proteins play a role in patterns of embryonic development and cellular differentiation by regulating downstream target genes. The Hox11 gene, termed an orphan homeobox gene, as it is located outside of the four mammalian Hox clusters, is a DNA-binding nuclear transcription factor. The human Hox11 gene maps to chromosome 10q24 and has been implicated in the chromosomal translocation t(7;10)(q24;q11) that occurs in T-cell acute lymphoblastic leukemia (T-ALL). The t(7;10) translocation occurs between the Hox11 gene and the T-cell receptor (TCR) delta-chain gene and is a result of aberrant physiological recombinational events at the early stages of T-cell development. The Hox11 gene is normally expressed in the splanchnic anlage arising from the splanchnic mesoderm. Homozygous Hox11-deficient mice have no spleen, while all other splanchnic derivatives develop normally. Spleen development starts and proceeds normally in Hox11-deficient mice to a specific stage of embryogenesis, when the spleen anlage becomes fully absorbed.</p> <p>Function: Controls the genesis of the spleen. Binds to the DNA sequence 5'-GGCGGTAAGTGG-3'.</p> <p>Subcellular Location: Nucleus.</p> <p>DISEASE: Note=A chromosomal aberration involving TLX1 may be a cause of a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(10;14)(q24;q11) with TCRD.</p> <p>Similarity: Contains 1 homeobox DNA-binding domain.</p> <p>SWISS: P31314</p> <p>Gene ID: 3195</p> <p>Database links:</p> <p>Entrez Gene: 3195 Human</p> <p>Entrez Gene: 21908 Mouse</p> <p>Entrez Gene: 499361 Rat</p> <p>Omim: 186770 Human</p> <p>SwissProt: P31314 Human</p>

[SwissProt: P43345](#) Mouse

[SwissProt: D4A270](#) Rat

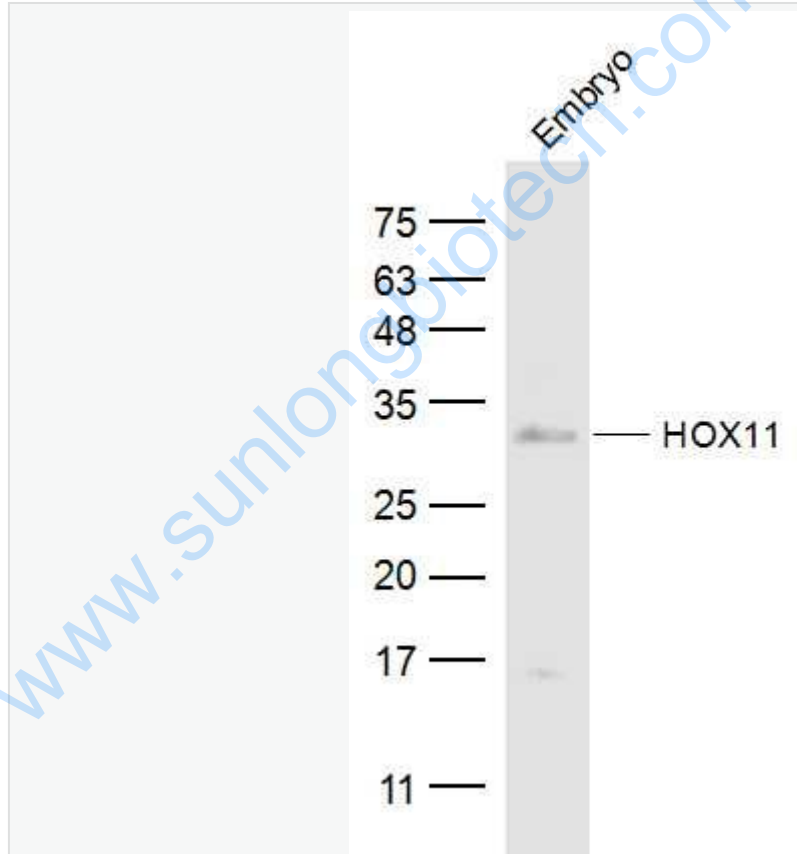
[Unigene: 89583](#) Human

[Unigene: 391203](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

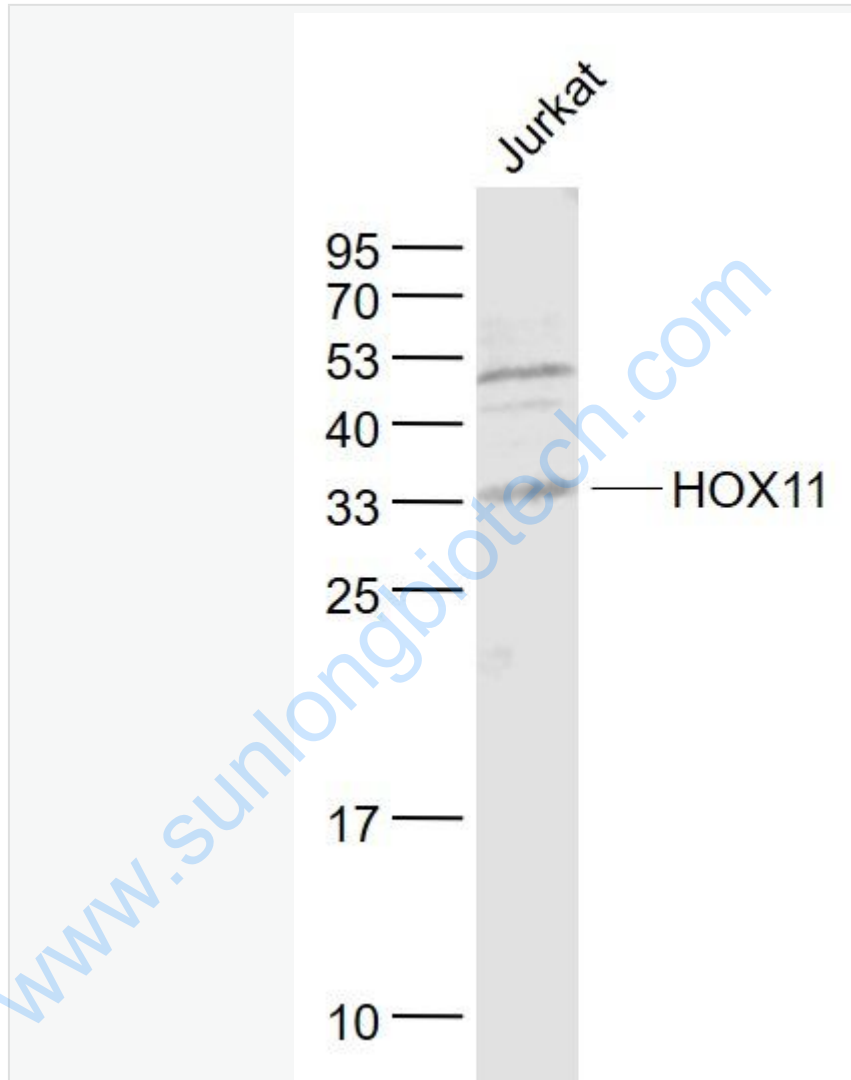
Embryo (Mouse) Lysate at 40 ug

Primary: Anti-HOX11 (SL17360R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kD

Observed band size: 34 kD



Sample:

Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti- TCL3/HOX11 (SL17360R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 34 kD

	Observed band size: 33 kD
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