

Product datasheet for **AP08471PU-N**

HOX11 (TLX1) (306-318) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1 - 3 µg/ml.
Reactivity:	Human, Mouse, Rat, Bovine, Bat, Canine, Chicken, Equine, Hamster, Monkey, Rabbit
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence corresponding to acids amino acids 306-318 of human HOX11
Specificity:	This antibody recognizes Homeobox Protein Hox-11 (TLX1) at aa 306-318.
Formulation:	PBS containing 0.2% Gelatin as stabilizer and 0.05% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	T-cell leukemia homeobox 1
Database Link:	Entrez Gene 3195 Human P31314



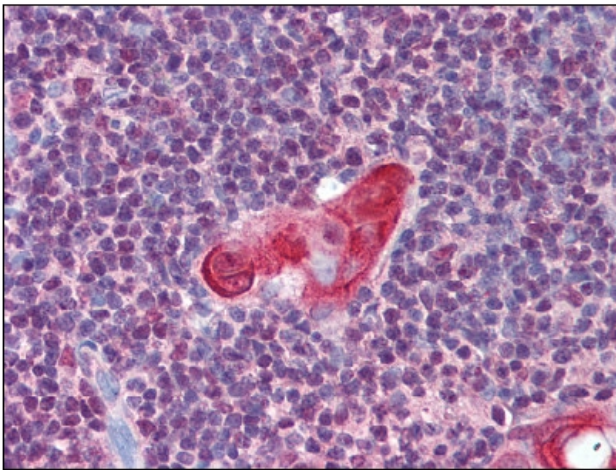
[View online »](#)

Background:

HOX11, also called homeobox11 or Tcl-3 is located at the 10q24 T-Cell translocation breakpoint region. It encodes a homeobox-domain containing protein, HOX11, containing a glycine and proline-rich amino terminus. HOX11 is required for maintenance of the developing spleen and cell survival. The HOX11 protein binds to a specific DNA sequence and localizes to the cell nucleus. It transactivates transcription of a reporter gene linked to a cis-regulatory element, acting as a positive transcription activator. The HOX11 gene is highly expressed in T-ALLs as a result of a t(7:10)(q35;q24) or t(10:14)(q24;q11) translocation. The homeobox gene is deregulated upon translocation into the T-cell receptor locus and activates a specific subset of tumor-associated target genes. HOX 11 gene translocation has been attributed to T-cell leukemia and lymphoid neoplasias.

Synonyms:

TLX-1, T-cell leukemia homeobox protein 1, HOX11, Hox-11, TCL3, TCL-3

Product images:

Thymus: Formalin-Fixed Paraffin-Embedded (FFPE)