

## Pax-5 Polyclonal Antibody

<b>Catalog No :</b>	YT3601
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	Pax-5
<b>Fields :</b>	>>Transcriptional misregulation in cancer
<b>Gene Name :</b>	PAX5
<b>Protein Name :</b>	Paired box protein Pax-5
<b>Human Gene Id :</b>	5079
<b>Human Swiss Prot No :</b>	Q02548
<b>Mouse Gene Id :</b>	18507
<b>Mouse Swiss Prot No :</b>	Q02650
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Pax-5. AA range:1-50
<b>Specificity :</b>	Pax-5 Polyclonal Antibody detects endogenous levels of Pax-5 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. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

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

**Observed Band :** 40kD

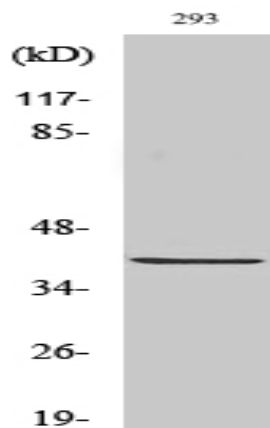
**Background :** This gene encodes a member of the paired box (PAX) family of transcription factors. The central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired box. Paired box transcription factors are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell lineage specific activator protein that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis and so the encoded protein may also play a role in neural development and spermatogenesis. This gene is located at 9p13, which is involved in t(9;14)(p13;q32) translocations recurring in small lymphocytic lymphomas of the plasmacytoid subtype, and in derived large-cell lymphomas. This translocation brings the potent E-mu enhancer

**Function :** developmental stage:Expressed at early B-cell differentiation, in the developing CNS and in adult testis.,disease:A chromosomal aberration involving PAX5 is a cause of acute lymphoblastic leukemia. Translocation t(9;18)(p13;q11.2) with ZNF521. Translocation t(9;3)(p13;p14.1) with FOXP1. Translocation t(9;12)(p13;p13) with ETV6.,function:May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.,PTM:O-glycosylated.,similarity:Contains 1 paired domain.,subunit:Interacts with DAXX (By similarity). Binds DNA as a monomer. Binds TLE4.,

**Subcellular Location :** Nucleus .

**Expression :** Marginal zone lymphoma,

## Products Images



Western Blot analysis of various cells using Pax-5 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

