

Pax-5 Polyclonal Antibody

Catalog No: YT3601

Reactivity: Human; Mouse

Applications: WB;ELISA

Target: Pax-5

Fields: >>Transcriptional misregulation in cancer

Gene Name: PAX5

Protein Name: Paired box protein Pax-5

Q02548

Q02650

Human Gene Id: 5079

Human Swiss Prot

Iuman Swiss F

No:

Mouse Gene Id: 18507

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

Pax-5. AA range:1-50

Specificity: Pax-5 Polyclonal Antibody detects endogenous levels of Pax-5 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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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 Nucleus .

Location:

Expression: Marginal zone lymphoma,

Sort : 11651

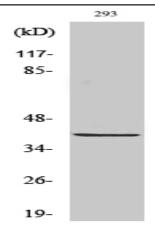
No4: 1

Host: Rabbit

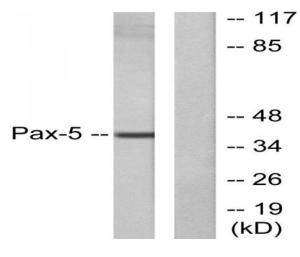
Modifications: Unmodified

Products Images

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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).



Western blot analysis of lysates from 293 cells, using Pax-5 Antibody. The lane on the right is blocked with the synthesized peptide.