

Datasheet for ABIN3017307
anti-PAX5 antibody (AA 150-300)



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1 Image

Overview

Quantity:	100 µL
Target:	PAX5
Binding Specificity:	AA 150-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAX5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 150-300 of human PAX5 (NP_057953.1).
Sequence:	PVPASSHSIV STGSVTQVSS VSTDSAGSSY SISGILGITS PSADTNKRKR DEGIQESPVP NGHSLPGRDF LRKQMRGDLF TQQQLEVLDR VFERQHYSDI FTTTEPIKPE QTTEYSAMAS LAGGLDDMKA NLASPTPADI GSSVPGPQSY P
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PAX5
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Target Details

Alternative Name: PAX5 ([PAX5 Products](#))

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 of the IgH gene into close proximity of the PAX5 promoter, suggesting that the deregulation of transcription of this gene contributes to the pathogenesis of these lymphomas. Alternative splicing results in multiple transcript variants encoding different isoforms.,PAX5,ALL3,BSAP,Epigenetics & Nuclear Signaling,Transcription Factors,Neuroscience,PAX5

Molecular Weight: 31 kDa/32 kDa/34 kDa/35 kDa/37 kDa/38 kDa/42 kDa

Gene ID: 5079

UniProt: [Q02548](#)

Application Details

Application Notes: WB,1:1000 - 1:3000

Restrictions: For Research Use only

Handling

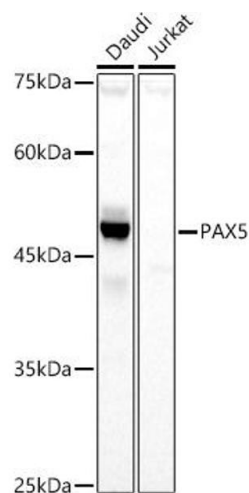
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using P antibody (ABIN3017306, ABIN3017307, ABIN3017308 and ABIN6220031) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.