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Datasheet for ABIN3032126 anti-PAX5 antibody (AA 178-207)

5 Images



Overview

Quantity:	0.4 mL
Target:	PAX5
Binding Specificity:	AA 178-207
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAX5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 178-207 from the human protein was used as the immunogen for this PAX5 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Antigen affinity purified

Target Details

Target:	PAX5
Alternative Name:	PAX5 (PAX5 Products)
Background:	This gene encodes a member of the paired box (PAX) family of transcription factors. The

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	central feature of this gene family is a novel, highly conserved DNA-binding motif, known as the
	paired box. PAX proteins 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. Alternatively
	spliced transcript variants encoding different isoforms have been described but their biological
	validity has not been determined.
UniProt:	Q02548

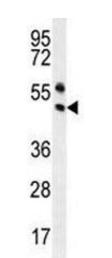
Application Details

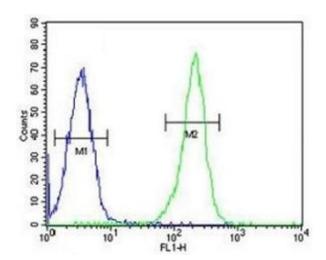
Application Notes:	Titration of the PAX5 antibody may be required due to differences in protocols and
	secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50,IHC
	(Paraffin): 1:10-1:50
Restrictions:	For Research Use only

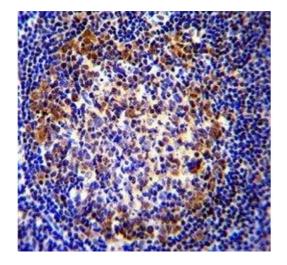
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
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:	Aliquot the PAX5 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

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Western Blotting

Image 1. PAX5 antibody western blot analysis in Ramos lysate

Flow Cytometry

Image 2. PAX5 antibody flow cytometric analysis of Ramos cells (right histogram) compared to a negative control (left histogram)

Immunohistochemistry

Image 3. PAX5 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3032126.

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