

Datasheet for ABIN969552

anti-PAX5 antibody (AA 235-382)**3** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PAX5
Binding Specificity:	AA 235-382
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PAX5 Antibody
Immunogen:	Purified recombinant fragment of human PAX5 (AA: 235-382) expressed in E. Coli.
Clone:	1A7
Isotype:	IgG1
Purification:	Purified antibody

Target Details

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

Target Details

factors. The 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.

Aliases: BSAP

Molecular Weight: 45kDa

Gene ID: 5079

HGNC: 5079

UniProt: [Q02548](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % 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: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

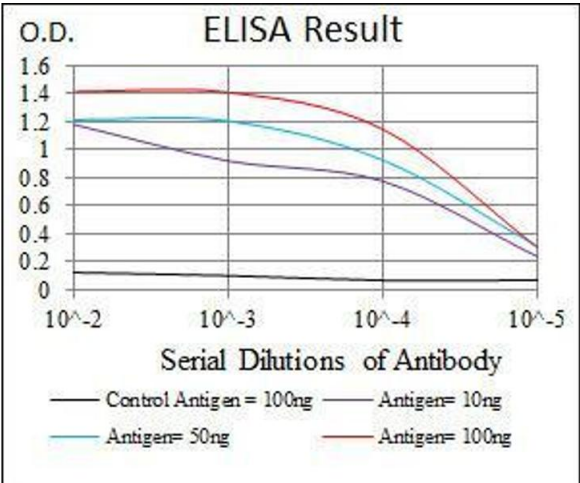
Publications

Product cited in:

Coyaud, Struski, Prade, Familiades, Eichner, Quelen, Bousquet, Mugneret, Talmant, Pages, Lefebvre, Penther, Lippert, Nadal, Taviaux, Poppe, Luquet, Baranger, Eclache, Radford, Barin, Mozziconacci et al.: "Wide diversity of PAX5 alterations in B-ALL: a Groupe Francophone de Cytogenetique Hematologique study. ..." in: **Blood**, Vol. 115, Issue 15, pp. 3089-97, (2010) ([PubMed](#)).

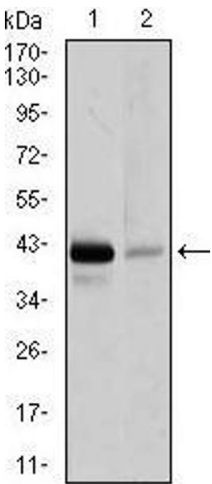
Arseneau, Laflamme, Lewis, Maïcas, Ouellette: "Multiple isoforms of PAX5 are expressed in both lymphomas and normal B-cells." in: **British journal of haematology**, Vol. 147, Issue 3, pp. 328-38, (2009) ([PubMed](#)).

Images



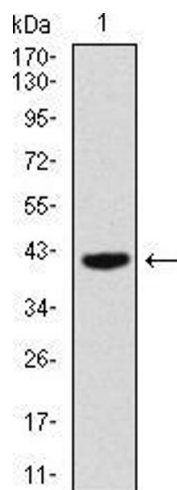
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using PAX5 mouse mAb against Raji (1), and EVC-304 (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using PAX5 mAb against human PAX5 recombinant protein. (Expected MW is 41.2 kDa)