

Datasheet for ABIN6940256
anti-PAX5 antibody (AA 235-382)

5 Images

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Overview

Quantity:	100 µg
Target:	PAX5
Binding Specificity:	AA 235-382
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAX5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A recombinant fragment (around aa 235-382) of human PAX5 protein (exact sequence is proprietary)
Clone:	PAX5-3735
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	PAX5
Alternative Name:	PAX5 (PAX5 Products)
Background:	The specificity of this monoclonal antibody to its intended target was validated by HuProt™

Target Details

Array, containing more than 21,000, full-length human proteins. The PAX5 gene is 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 domain, known as the paired box. The PAX proteins are important regulators in early development, and alterations in the expression of their genes are thought to contribute to neoplastic transformation. The PAX5 gene encodes the B-cell lineage specific activator protein (BSAP) that is expressed at early, but not late stages of B-cell differentiation. Its expression has also been detected in developing CNS and testis, therefore, PAX5 gene product may not only play an important role in B-cell differentiation, but also in neural development and spermatogenesis.

Molecular Weight: 42kDa

Gene ID: 5079

UniProt: [Q02548](#)

Application Details

Application Notes: Positive Control: Daudi or Ramos cells. Tonsil, spleen, Lymph Node or Colon Carcinoma.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

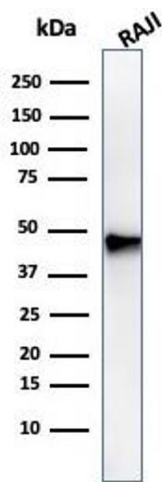
Preservative: Sodium azide

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

Storage: 4 °C, -80 °C

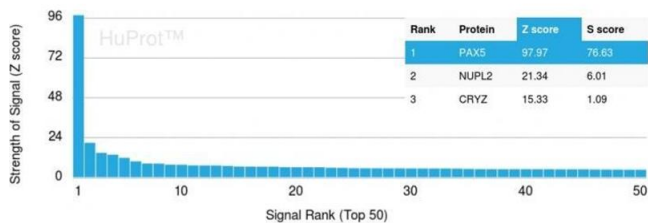
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



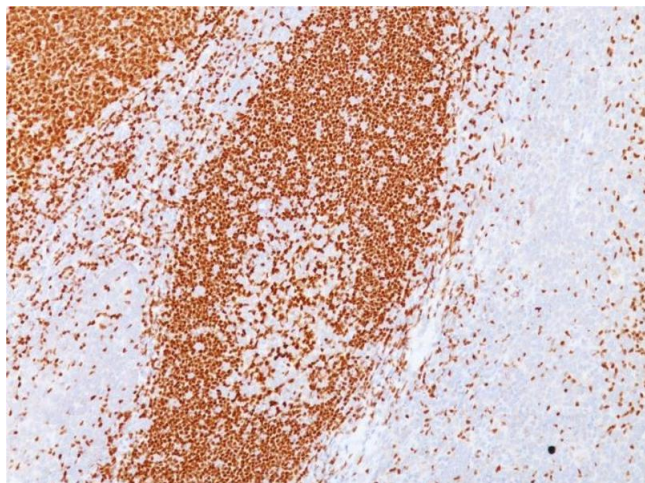
Western Blotting

Image 1. Western Blot Analysis of Raji cell lysate using PAX5 Mouse Monoclonal Antibody (PAX5/3735).



Protein Array

Image 2. Analysis of Protein Array containing more than 21,000 full-length human proteins using PAX5 Mouse Monoclonal Antibody (PAX5/3735) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with PAX5 Mouse Monoclonal Antibody (PAX5/3735).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940256.