

Anti-PAX5 antibody [PCRP-PAX5-1B7] ab236537

[3 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-PAX5 antibody [PCRP-PAX5-1B7] |
| Description | Mouse monoclonal [PCRP-PAX5-1B7] to PAX5 |
| Host species | Mouse |
| Tested applications | Suitable for: WB, IHC-P, Protein Array |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant full length protein corresponding to Human PAX5. Database link: Q02548 |
| Positive control | WB: Raji cell lysate. IHC-P: Human lymph node tissue. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.2 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA |
| Purity | Protein A/G purified |
| Purification notes | Purified from Bioreactor Concentrate by Protein A/G. |
| Clonality | Monoclonal |
| Clone number | PCRP-PAX5-1B7 |
| Isotype | IgG1 |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab236537 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---------------|-----------|--|
| WB | | Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 42 kDa. |
| IHC-P | | Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary incubation for 30 minutes at room temperature. |
| Protein Array | | Use at an assay dependent concentration. |

Target

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.

Involvement in 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.
Leukemia, acute lymphoblastic, 3

Sequence similarities

Contains 1 paired domain.

Developmental stage

Expressed at early B-cell differentiation, in the developing CNS and in adult testis.

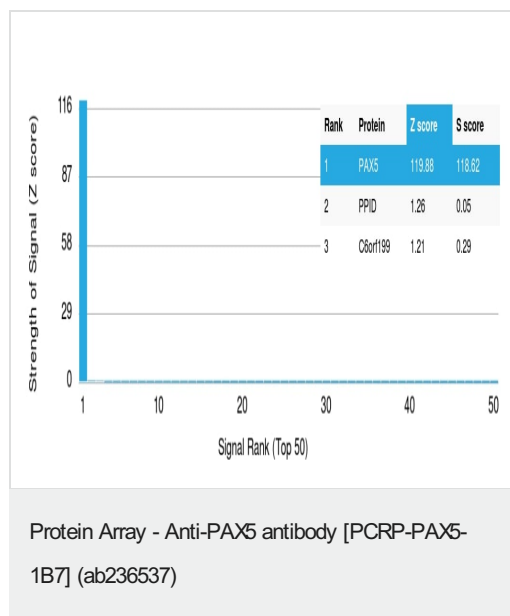
Post-translational modifications

O-glycosylated.

Cellular localization

Nucleus.

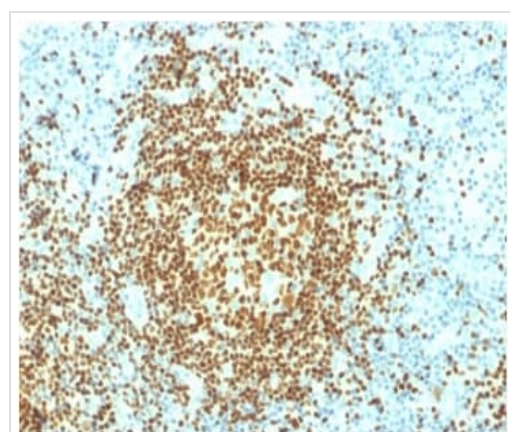
Images



ab236537 was tested in protein array against over 19000 different full-length human proteins.

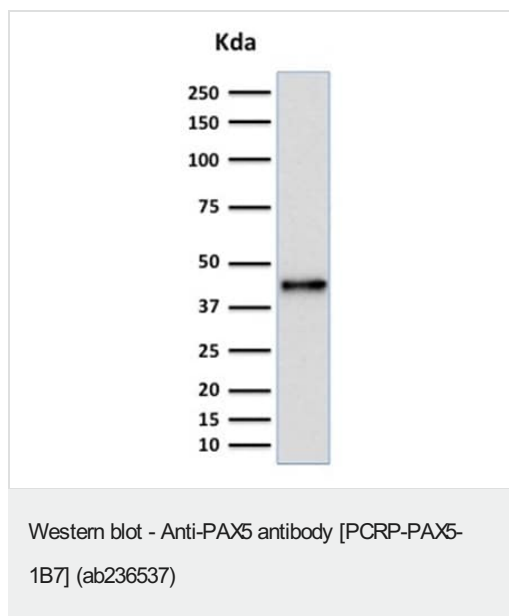
Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target.

A MAb is specific to its intended target if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human lymph node tissue stained for PAX5 using ab236537 at 1 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAX5 antibody [PCRP-PAX5-1B7] (ab236537)



Anti-PAX5 antibody [PCRP-PAX5-1B7] (ab236537) at 2 µg/ml +
Raji (human Burkitt's lymphoma cell line) cell lysate

Predicted band size: 42 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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