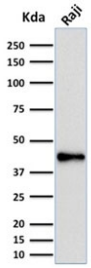
PAX5 Antibody [clone PCRP-PAX5-1B1] (V3906)

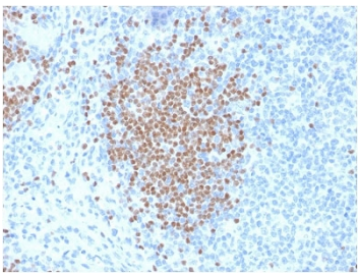
Catalog No.	Formulation	Size
V3906-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3906-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3906SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

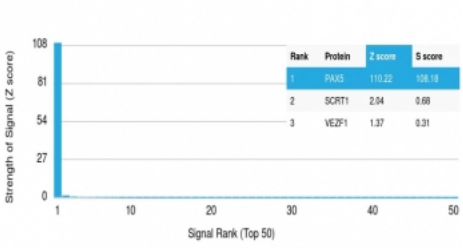
Availability	Discontinued
Species Reactivity	Human; other species not tested.
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PCRP-PAX5-1B1
Purity	Protein G affinity chromatography
UniProt	Q02548
Localization	Nuclear
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western bot: 2-4ug/ml
Limitations	This PAX5 antibody is available for research use only.



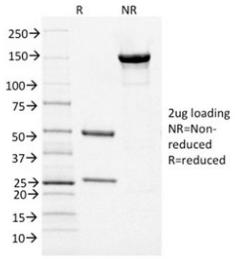
Western blot testing of human Raji cell lysate with PAX5 antibody (clone PCRP-PAX5-1B1). Expected molecular weight ~42 kDa.



IHC testing of human lymph node with PAX5 antibody (clone PCRP-PAX5-1B1). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using PAX5 antibody (clone PCRP-PAX5-1B1). These results demonstrate the foremost specificity of the PCRP-PAX5-1B1 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free PAX5 antibody (clone PCRP-PAX5-1B1) as confirmation of integrity and purity.

Description

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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the PAX5 antibody to be titered up or down for optimal performance.

Immunogen

Full length human recombinant protein was used as the immunogen for this PAX5 antibody.

Storage

Store the PAX5 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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