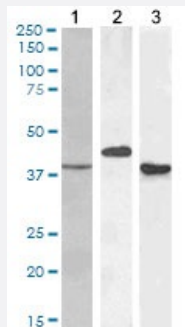


PAX5 polyclonal antibody

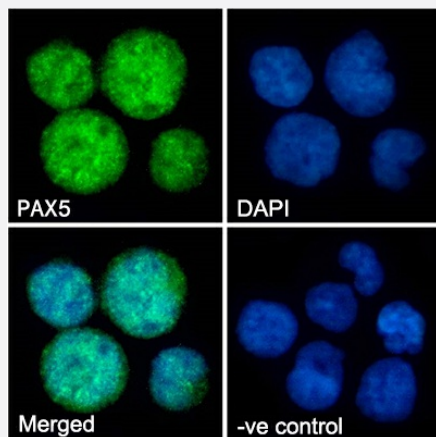
Catalog # PAB6220 Size 100 ug

Applications



Western Blot (Tissue lysate)

PAX5 polyclonal antibody (Cat # PAB6220) (0.3 ug/mL) staining of Human Lymph, (1 ug/mL) Mouse, (0.3 ug/mL) Rat, Spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunofluorescence

PAX5 polyclonal antibody (Cat # PAB6220) Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PAX5.
Immunogen	A synthetic peptide corresponding to human PAX5.
Sequence	DLEKNYTPRTSR-C
Host	Goat
Theoretical MW (kDa)	42.1

Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:64000) Immunofluorescence (10 ug/mL) Western blot (0.1-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

PAX5 polyclonal antibody (Cat # PAB6220) (0.3 ug/mL) staining of Human Lymph, (1 ug/mL) Mouse, (0.3 ug/mL) Rat, Spleen lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Immunofluorescence

PAX5 polyclonal antibody (Cat # PAB6220) Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PAX5

Entrez GeneID	5079
Protein Accession#	NP_057953
Gene Name	PAX5

Gene Alias	BSAP
Gene Description	paired box 5
Omim ID	167414
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes 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 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. [provided by RefSeq]</p>
Other Designations	B-cell lineage specific activator paired box homeotic gene 5 transcription factor PAX 5

Publication Reference

- [Pax-5 encodes the transcription factor BSAP and is expressed in B lymphocytes, the developing CNS, and adult testis.](#)

Adams B, Dorfler P, Aguzzi A, Kozmik Z, Urbanek P, Maurer-Fogy I, Busslinger M.

Genes & Development 1992 Sep; 6(9):1589.

Application: ELISA, GSA, WB-Tr, Mouse, COP-8 cells, Recombinant proteins

Disease

- [Precursor B-Cell Lymphoblastic Leukemia-Lymphoma](#)
- [Tobacco Use Disorder](#)