B-Cell-Specific Activator Protein(PAX-5) mouse mAb(ABT-PAX5)

Catalog No	YP-Ab-15452
Isotype	IgG
Reactivity	Human
Applications	IHC;IF
Gene Name	PAX5
Protein Name	B-Cell-Specific Activator Protein(PAX-5)
Immunogen	Synthesized peptide derived from human B-Cell-Specific Activator Protein(PAX-5)
Specificity	This antibody detects endogenous levels of human B-Cell-Specific Activator Protein(PAX-5). Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH9.0 was highly recommended as antigen repair method in p
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG2b, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	WB 500-2000 IHC-p 1:100-500. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Paired box protein Pax-5 (B-cell-specific transcription factor;BSAP)
Observed Band	
Cell Pathway	Nucleus .
Tissue Specificity	Marginal zone lymphoma,
Function	developmental stage:Expressed at early B-cell differentiation, in the developing CNS and in adult testis.,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.,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.,PTM:O-glycosylated.,similarity:Contains 1 paired domain.,subunit:Interacts with DAXX (By similarity). Binds DNA as a monomer. Binds TLE4.,
Background	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. Paired box transcription factors 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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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