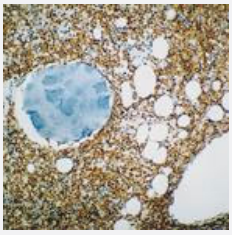
PAX5 monoclonal antibody, clone 1EW

Catalog # MAB9628 Size

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining for paraffin-embedded human acute lymphoblastic leukemia section using PAX5 monoclonal antibody, clone 1EW (Cat # MAB9628). Note nuclear staining of B cells.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant PAX5.
Immunogen	Recombinant protein corresponding to C-terminus of human PAX5.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	Immunohistochemistry (1:20-1:40) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In tissue culture supernatant (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — PAX5

Entrez GeneID	5079
Gene Name	PAX5
Gene Alias	BSAP
Gene Description	paired box 5
Omim ID	167414
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the paired box (PAX) family of transcription factors. The central f eature of this gene family is a novel, highly conserved DNA-binding motif, known as the paired bo x. PAX proteins are important regulators in early development, and alterations in the expression o f their genes are thought to contribute to neoplastic transformation. This gene encodes the B-cell li neage specific activator protein that is expressed at early, but not late stages of B-cell differentiati on. Its expression has also been detected in developing CNS and testis and so the encoded prot ein may also play a role in neural development and spermatogenesis. This gene is located at 9p1 3, 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 pote nt 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. Alt ernatively spliced transcript variants encoding different isoforms have been described but their bi ological validity has not been determined. [provided by RefSeq
Other Designations	B-cell lineage specific activator|paired box homeotic gene 5|transcription factor PAX 5

Disease

- Precursor B-Cell Lymphoblastic Leukemia-Lymphoma
- Tobacco Use Disorder