9853 Pacific Heights Blvd.
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10-12547: Mouse Monoclonal Antibody to PAX5(Clone :BS11) (Discontinued)

Clonality :	Monoclonal
Clone Name :	BS11
Application :	IHC
Reactivity :	Human
Gene :	PAX5
Gene ID :	5079
Uniprot ID :	Q02548
Alternative Name :	B-cell-specific transcription factor
Isotype :	Mouse IgG1

Description

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.

Product Info

Amount :	0.1 ml / 0.5 ml
Content :	TRIS with 0.03% sodium azide, pH7.2
Storage condition :	Store at 4°C

Application Note

Immunohistochemical Analysis :-1:250

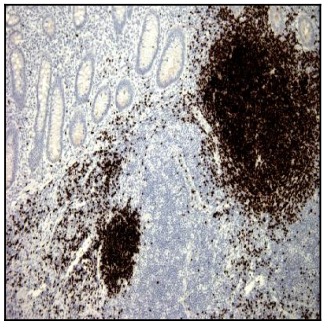


Figure-1: Normal appendix and hodgkin’s lymphoma have stained with PAX5 (Clone: BS11) antibody using 1:250 dilution and pH9 tris-EDTA pretreatment. B-cells have strong nuclear label, hodgkin’s cells stained with moderate staining intensity.

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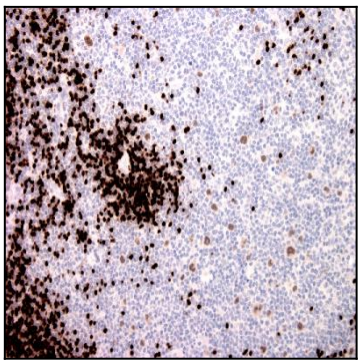


Figure-2: B) Normal appendix and hodgkin’s lymphoma have stained with PAX5 (Clone: BS11) antibody using 1:250 dilution and pH9 tris-EDTA pretreatment. B-cells have strong nuclear label, hodgkin’s cells stained with moderate staining intensity.

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