Anti-PAX5, mouse monoclonal (BS11)

BSH-7833-100 (0.1ml), BSH-7833-1 (1 ml)

Clonality:	Mouse monoclonal antibody
Clone:	BS11
Application:	IHC-P (1:100 – 1:400), IHC-Fro
Species Reactivity:	Human
Control tissues:	Tonsil, appendix, hodgkin's lymphoma
Buffer:	TRIS with 0.03% sodium azide, pH 7.2
Storage:	Store at 4°C

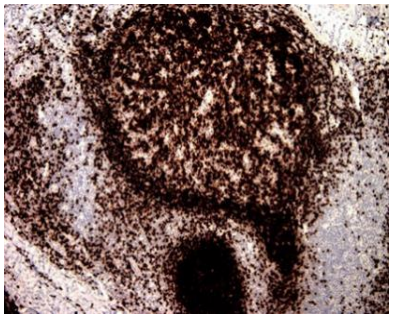
Description

This gene encodes a member of the paired box (PAX) family of transcription factors. 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. This protein is also expressed 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.

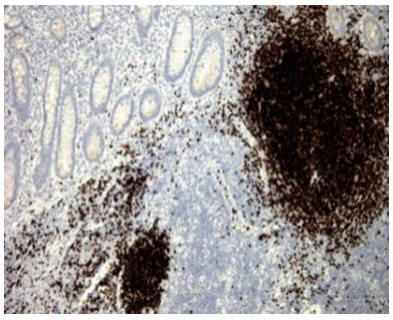
Protocol

1. Deparaffinize and rehydrate tissue section
2. Wash: aqua dest, 2×5 min
3. Pre-treatment: PT-module HIER pH 9.0 (20min at 98°C)
4. H_2O_2 (concentration 3%), 10 min
5. Wash: PBS or TBS buffer, 2×5 min
6. Primary antibody diluted as recommended, 30 min
7. Wash: PBS or TBS buffer, 2×5 min
8. One step HRP-polymer detection, 30 min
9. Wash: PBS or TBS buffer, 2×5 min
10. DAB Substrate, 8 min
11. Wash: aqua dest, 2×2 min
12. Counterstain, dehydrate and coverslip

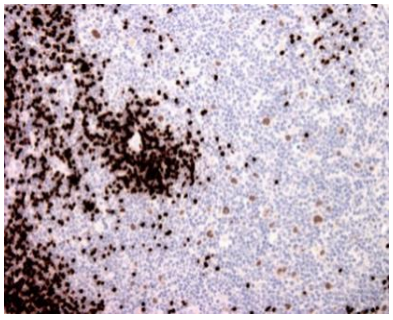
Dilution of concentrated antibody depends on the pre-treatment method and detection system used. Above protocol used in Optibodies evaluation and is meant as a reference. Final working dilution and protocol applied needs to be determined by the user always.



Tonsil section has been stained using PAX5 optibody (BS11) with 1:250 dilution. B-cells have strong nuclear label.



Appendix section has been stained using PAX5 optibody (BS11) with 1:250 dilution. B-cells have strong nuclear label.



Hodgkin's lymphoma section has been stained using PAX5 optibody (BS11) with 1:250 dilution. B-cells have strong nuclear label and Reed-Steinberg cells cells stained with moderate staining intensity.