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Rev.: 2021-4-26

PAX-5
Mouse Monoclonal Antibody
Product Datasheet

Catalog# BX50195
Clone# BPM6172

Predicted Molecular Wt: 42kDa
Species Cross-reactivity: Human
Applications: IHC-P
Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q02548

Background:

Pax genes are a family of developmental control genes that encode nuclear transcription factors and have been implicated in the control of mammalian development.

PAX-5 is a marker for B-cells, including B-lymphoblastic neoplasms and maturation stage. It is found in most cases of mature and precursor B-cell non-Hodgkin lymphomas/leukemias. In approximately 97% of cases of classic Hodgkin lymphoma, Reed-Sternberg cells express PAX-5.

The antibody is a useful tool for the identification of pro, pre, and mature B cells and for classification of lymphomas and subclassification of classic Hodgkin's lymphoma and anaplastic large cell lymphoma of the T and null-cell type.

Subcellular location:
Nucleus

Recommended method:
Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

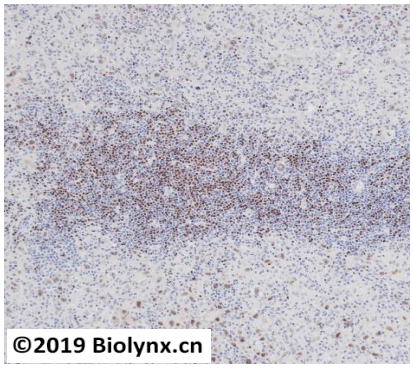
Immunogen:
Synthetic peptide corresponding to residues within aa300 to aa400 of PAX-5 was used as an immunogen.

Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:
-25°C to -18°C

Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilutions:
IHC-P: 1:100-1:200



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Hodgkin's lymphoma labelling PAX-5 with BPM6172. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Background References:

1. Abdelrasoul H et al. Sci Rep 8:1327 (2018).

2. Hijano DR et al. Sci Rep 8:11034 (2018)

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.