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Rev.: 2021-5-7

PHOX2B
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50176
Clone# BP6154

Predicted Molecular Wt: 32kDa
Species Cross-reactivity: Human
Applications: IHC-P
Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q99453

Background:

Paired-like homeobox 2B (PHOX2B) is a transcription factor located on chromosome 4p13 which is crucial to the formation of autonomic ganglia in the autonomic nervous system (ANS). PHOX2B gene is strictly expressed in neural crest derivatives committed to the noradrenergic phenotype. The PHOX2B gene encodes a paired-like homeo-domain transcription factor with an extra-axial expression pattern restricted to the ANS. Neuroblasts of peripheral neuroblastic tumors are derived from the sympathoadrenal lineage, a division of the ANS. PHOX2B has been observed in peripheral neuroblastic tumors, neuroblastomas, paragangliomas, ganglioneuroblastomas, ganglioneuromas and pheochromocytomas. PHOX2B has been reported to be negative in other small round blue cell tumors.

Subcellular location:

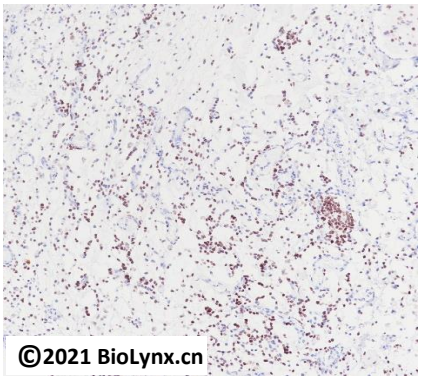
Nucleus

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 residues in human PHOX2B was used as an immunogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human neuroblastoma tissue labelling PHOX2B with BP6154. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

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

Background References:

1. Ke XX et al. Oncol Lett 9:2507-2514 (2015).

2. Bouilloux F et al. Elife 5:N/A (2016).

Product QC'd by:

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