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Rev.: 2021-4-26

NSE
Mouse Monoclonal Antibody
Product Datasheet

Catalog# BX50169
Clone# BPM6150

Predicted Molecular Wt: 47kDa
Species Cross-reactivity: Human
Applications: IHC-P
Purity: ProG affinity purified IgG
Form: Liquid
Swissprot ID: P09104

Background:

NSE is an intracytoplasmic protein, and enolase is a dimer in mammals. It has three subunits: 1, 2, and 3, which are mainly distributed in central nerve, peripheral nerve, neuroendocrine cells and tumor cells.This antibody can specifically recognize 47kDa of NSE, and can be used for the auxiliary diagnosis of neuroendocrine tumors. Due to the poor specificity of the antibody, some normal smooth muscle, myoepithelial cells, renal tubular cells, lymphocytes can also express NSE. Therefore, this antibody is not used as a single diagnostic marker, and should be applied in combination with other indicators to improve its diagnostic accuracy.

Subcellular location:

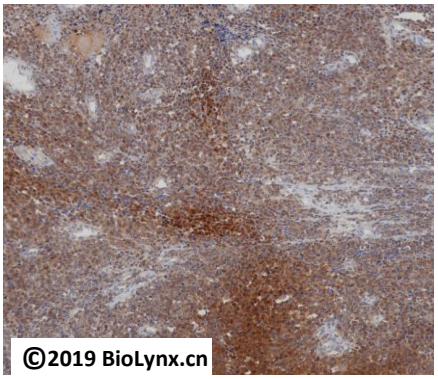
Cytoplasm

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 within Human NSE aa 416-433.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human neuroblastoma tissue labelling NSE with BPM6150. Heat mediated antigen retrieval was performed using Tris/EDTA buffer

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. Thrivikraman G et al. Nat Commun 10:3520 (2019).
2. Foucar, K et al. Int J Lab Hematol. 2020;00:1–5.

Product QC'd by:

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