

Synaptophysin Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50048

Clone# BP6053

Predicted Molecular Wt: 34kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P08247

Background:

Synaptophysin, also known as the major synaptic vesicle protein p38, is a protein that in humans is encoded by the SYP gene. The exact function of the protein is unknown: it interacts with the essential synaptic vesicle protein synaptobrevin, but when the synaptophysin gene is experimentally inactivated in animals, they still develop and function normally.

Synaptophysin reacts with neuroendocrine cells of human adrenal medulla, carotid body, skin, pituitary, thyroid, lung, pancreas, and gastrointestinal mucosa. This antibody identifies normal neuroendocrine cells and neuroendocrine neoplasms.

Synaptophysin is expressed independently of other neuronal differentiation markers and may be used as a differentiation marker in tumor diagnosis.

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 corresponding to synaptophysin residues within aa213-313 of synaptophysin was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

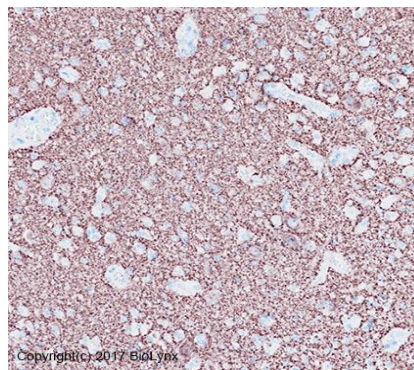
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Wiedenmann B, et.al. Proc Natl Acad Sci U S A. 1986 May;83(10):3500-4.
2. Quinn B. Am J Surg Pathol. 1998 May;22(5):550-6.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of glioma tissue labelling synaptophysin with BP6053. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



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