
Anti-Human Synaptophysin eFluor® 615

Catalog Number: 42-6525

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human Synaptophysin
eFluor® 615



Catalog Number: 42-6525

Clone: EP10

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1



Formulation: aqueous buffer, 0.09% sodium
azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not
freeze. Light-sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial

Description

This EP10 monoclonal antibody reacts with human Synaptophysin, which is also known as Major Synaptic Vesicle Protein p38. This 38-kDa integral membrane protein is expressed on neuronal presynaptic vesicles in the brain, spinal cord, retina, neuromuscular junctions, and adrenal medulla. Synaptophysin is also expressed in neuroendocrine tumors and neuroblastomas. Synaptophysin has been reported to play a role in synaptic vesicle trafficking. EP10 also recognizes hamster synaptophysin.

Applications Reported

This EP10 antibody has been reported for use in immunohistochemical staining of formalin-fixed paraffin embedded tissue sections (IHC-P) and immunocytochemistry (ICC).

Applications Tested

This EP10 antibody has been tested by immunohistochemistry on formalin fixed paraffin embedded human cerebellum using low pH antigen retrieval at less than or equal to 10 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filter Recommendation: When using this eFluor® 615 antibody conjugate, we recommend a filter that will capture the 615 emission wavelength. A standard Alexa Fluor® 594 filter is acceptable.

References

Arthur CP, Stowell MH. Structure of synaptophysin: a hexameric MARVEL-domain channel protein. *Structure*. 2007 Jun;15(6):707-14.

Honer WG, Kaufmann CA, Davies P. Characterization of a synaptic antigen of interest in neuropsychiatric illness. *Biol Psychiatry*. 1992 Jan 15;31(2):147-58. (**EP10**, ICC)

Südhof TC, Lottspeich F, Greengard P, Mehl E, Jahn R. A synaptic vesicle protein with a novel cytoplasmic domain and four transmembrane regions. *Science*. 1987 Nov 20;238(4830):1142-4.

Wiedenmann B, Franke WW. Identification and localization of synaptophysin, an integral membrane glycoprotein of Mr 38,000 characteristic of presynaptic vesicles. *Cell*. 1985 Jul;41(3):1017-28.

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein

00-4954 20X TBS Wash Buffer for IHC/ICC

00-4955 IHC Antigen Retrieval Solution – Low pH (10X)

00-4958 Fluoromount-G™

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