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Product datasheet for BM5519P

Synaptophysin (SYP) Mouse Monoclonal Antibody [Clone ID: SY38]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SY38
Applications:	IF, IHC, WB
Recommended Dilution:	**Immunoblotting.** **Immunofluorescence.** **Cytological Material.** **Immunohistochemistry on Frozen and Paraffin Sections:** 1/50 with PBS, pH 7.4 (In **no case** Protease Pretreatment). *Incubation Time:* 1 h at RT; extended with Paraffin.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synaptophysin from presynaptic vesicles, prepared from bovine brain.
Specificity:	SY38 represents an excellent Marker for several neuroendocrine, neuronal and adrenal tumors. Neuronal and adrenal tumors such as pheochromocytomas, paragangliomas, neuroblastomas, ganglioneuroblastomas. Neuroendocrine tumors of epithelial origin: Pancreatic islet cell carcinoma, bronchial and gastrointestinal carcinoids, medullary carcinoma of thyroid. **Polypeptide Reacting:** Mr 38 000 transmembrane glycoprotein of presynaptic vesicles. **Reactivity on Cultured Cell Lines:** Rat PC-12 cell line.
Formulation:	Final Solution contains PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore in 1 ml distilled water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated

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Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	synaptophysin
Database Link:	Entrez Gene 6855 Human P08247
Background:	Synaptophysin is a glycoprotein present in the membrane of neuronal presynaptic vesicles in brain, spinal cord, retina, vesicles of adrenal medulla, neuromuscular junctions, and endocrine cells. It is also expressed by neuroendocrine cells throughout the body, both normal and neoplastic. Synaptophysin is a useful marker for the identification of normal neuroendocrine cells and neuroendocrine neoplasms. This antibody reacts with neuroendocrine cells of human adrenal medulla, carotid body, skin, pituitary gland, thyroid, lung, pancreas, and gastointestinal mucosa. It also reacts with a wide spectrum of neuroendocrine neoplasms of neural type including neuroblastomas, ganglioneuroblastomas, ganglioneuromas, pheochromocytomas, chromaffin, and non chromaffin paragangliomas.
Synonyms:	Neuroendocrine Marker