

Synaptophysin (AB1455) mouse mAb

W0398

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat; Bovin;

Applications

- IHC; WB; IF; ELISA

MW

- 34 kDa (calculated)
- 38 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality	Monoclonal
Clone Number	AB1455
Immunogen	A synthetic peptide corresponding to the amino acid region 200 - 313 of the human Synaptophysin protein.
Specificity	The antibody can specifically recognize human Synaptophysin protein.
Purification	Affinity purification Protein A
Concentration	Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name	SYP		
Protein Name	Synaptophysin		
Database Link	Organism	Swiss Prot.	Gene ID
	Human	P08247	6855

Background Synaptophysin is a 38kDa membrane glycoprotein present in neuroendocrine cells. It is the most abundant synaptic vesicle membrane protein, but the function remains unclear. Synaptophysin is mainly expressed in neuroendocrine cells of the human adrenal medulla, carotid body, skin, pituitary, thyroid, lung, pancreas, and gastrointestinal mucosa. The antibody is mainly used in the classification of neuroendocrine tumors including neoplasms of epithelial type, nervous system neoplasms with neuronal differentiation and adrenocortical neoplasms.