

Synaptophysin Antibody, pAb, Rabbit

Cat. No.: A01307-40

Size: 40 µg

Synonyms: Rabbit Anti Synaptophysin pAb;

Description:

Synaptophysin is a useful marker for the identification of normal neuroendocrine cells and neuroendocrine neoplasms. The protein resides in brain, spinal cord, retina, vesicles of adrenal medulla, neuromuscular junctions, and endocrine cells. Synaptophysin is possibly involved in structural functions by organizing other membrane components or in targeting the vesicles to the plasma membrane.

GenScript **Rabbit Anti-Synaptophysin Polyclonal Antibody** is developed in Rabbit using a KLH-coupled synthetic peptide from within residues 200-250 of human Synaptophysin protein (Swiss Prot: P08247).

Immunogen: KLH-coupled synthetic peptide from within residues 200-250 of human Synaptophysin protein (Swiss Prot: P08247).

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

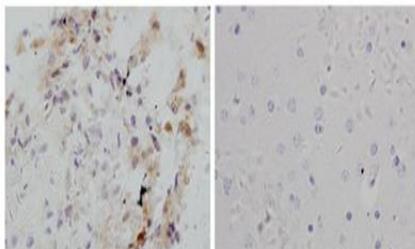
Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Synaptophysin Polyclonal

Example



Antibody detects endogenous levels of human, mouse and rat Synaptophysin protein.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Immunohistochemistry: 5-10 µg/ml

Immunoprecipitation: 2-10 µg/mg of lysate

Other Applications: user-optimized

Species Reactivity: Human, mouse, and rat

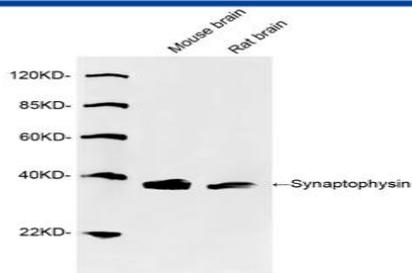
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Immunohistochemistry analysis of human brain tissue slide (Paraffin embedded) using Rabbit Anti-Synaptophysin Polyclonal Antibody (Left, GenScript, A01307) and Purified Rabbit IgG (Whole molecule) Control (Right, GenScript, A01008)



Western blot analysis of tissue lysates using 1 $\mu\text{g/ml}$ Rabbit Anti-Synaptophysin Polyclonal Antibody (GenScript, A01307)

The signal was developed with IRDyeTM 800 Conjugated Goat Anti-Rabbit IgG.