

Synaptophysin Antibody

Catalog No: #21651

Package Size: #21651-1 50ul #21651-2 100ul

Description

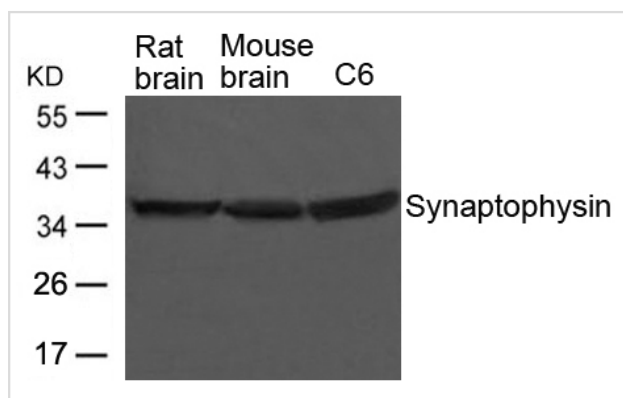
Product Name	Synaptophysin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Synaptophysin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.305~309(A-P-T-S-F) derived from Human Synaptophysin
Conjugates	Unconjugated
Target Name	Synaptophysin
Other Names	MRXSYP
Accession No.	Swiss-Prot: P08247NCBI Protein: NP_003170.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 38kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Synaptophysin Antibody #21651.

Background

Possibly involved in structural functions as organizing other membrane components or in targeting the vesicles to the plasma membrane. Involved in the regulation of short-term and long-term synaptic plasticity "Characterization of a multidomain adaptor protein, p140Cap, as part of a pre-synaptic complex."

Ito H., Atsuzawa K., Sudo K., Di Stefano P. J. Neurochem. 107:61-72(2008) "A systematic, large-scale resequencing screen of X-chromosome coding exons in mental retardation."

Tarpey P.S., Smith R., Pleasance E., et al. Nat. Genet. 41:535-543(2009)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.