

Synaptophysin Antibody

Catalog No: #AB21651



Package Size: #AB21651-1 50ul #AB21651-2 100ul #AB21651-4 25ul

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Description

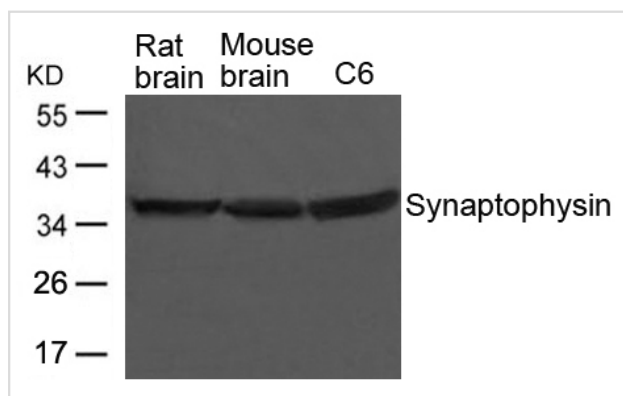
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|-----------------------|---|
| Product Name | Synaptophysin Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were 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 |
| 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 #AB21651.

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.