Patents

Synapsin-1 (D12G5) XP® Rabbit mAh



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: VB, W-S, IP, IHC-P, IF- F | Reactivity: H M R | Sensitivity: Endogenous | MW (kDa): 77 | Source/Isotype: Rabbit IgG | UniProt ID: #P17600 | Entrez-Gene Id 6853 | |
|--|---------------------------------|---|------------------------|-------------------------------|------------------------|------------------------|--|
| Product Usage Information | Ą | oplication | | | Dilution | | |
| | W | estern Blotting | | | 1:1000 | | |
| | Si | mple Western™ | | | 1:10 - 1:50 | | |
| | Im | munoprecipitation | | | 1:50 | | |
| | Im | munohistochemistry | (Paraffin) | | 1:800 | | |
| | Im | Immunofluorescence (Frozen) | | | 1:200 | | |
| Storage Specificity / Sensit | 0.0 For tivity Syr | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. For a carrier-free (BSA and azide free) version of this product see product #53059. Synapsin-1 (D12G5) XP® Rabbit mAb detects endogenous levels of total synapsin protein. The antigen is | | | | | |
| | 100 | 100% conserved between human synapsin-1a and synapsin-1b. | | | | | |
| Source / Purification | | Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln483 of human synapsin-1 protein. | | | | | |
| Background | pro terr of t | Synapsins, a group of at least five related members (synapsins Ia, Ib, IIa, IIb, and IIIa), are abundant brain proteins essential for regulating neurotransmitter release (1,2). All synapsins contain a short aminoterminal domain that is highly conserved and phosphorylated by PKA or CaM kinase I (1). Phosphorylation of the synapsin amino-terminal domain at Ser9 inhibits its binding to phospholipids and dissociates synapsins from synaptic vesicles (2). | | | | | |
| | ences 1. C | 1. Greengard, P. (1987) <i>Mol Neurobiol</i> 1, 81-119. 2. Hosaka, M. et al. (1999) <i>Neuron</i> 24, 377-87. | | | | | |

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS,

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation

IHC-P: Immunohistochemistry (Paraffin) IF-F: Immunofluorescence (Frozen)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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