

Store at
-20°C
#88246

Phospho-Synapsin-1 (Ser605) (D4B9I) Rabbit mAb



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

Applications: W	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 75-90	Source/Isotype: Rabbit IgG	UniProt ID: #P17600	Entrez-Gene Id: 6853
Product Usage Information	Application Western Blotting		Dilution 1:1000			
Storage	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.					
Specificity/Sensitivity	Phospho-Synapsin-1 (Ser605) (D4B9I) Rabbit mAb recognizes endogenous levels of Synapsin-1 protein only when phosphorylated at Ser605 (corresponds to Ser603 in rat).					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser605 of human Synapsin-1 protein.					
Background	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 amino-terminal 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).					
Background References	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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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