

## Synaptophysin (D8F6H) XP<sup>®</sup> Rabbit mAb



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

<b>Applications:</b> V, W-S, IHC-P, IF-F	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 38	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P08247	Entrez-Gene Id: 6855
Product Usage Information		Application			Dilution	
		Western Blotting			1:1000	
		Simple Western™			1:10 - 1:5	
		Immunohistochemis	•		1:100 - 1:	400
		Immunofluorescence (Frozen) 1:100				
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.				
		For a carrier-free (BSA and azide free) version of this product see product #25056.				
Specificity/Sensitivity		Synaptophysin (D8F6H) XP® Rabbit mAb recognizes endogenous levels of total Synaptophysin protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly299 of human Synaptophysin protein.				
Background		cells and neoplasms of channel or gap junction which prevents the irrof synaptobrevin for	(1). Synaptophysin c on-like pore (2). Syn Iclusion of synaptob exocytosis when syr	ic vesicle glycoprotein the ontains four transmember aptophysin binds to the revin in the synaptic vestapse activity increases (synaptic vesicles, a critical control of the control of th	orane domains that SNARE protein syn- icle fusion complex 3). Synaptophysin i	form a hexameric aptobrevin/VAMP, and creates a pool also responsible
Background References		1. Wiedenmann, B. et al. (1986) <i>Proc Natl Acad Sci USA</i> 83, 3500-4. 2. Valtorta, F. et al. (2004) <i>Bioessays</i> 26, 445-53. 3. Arthur, C.P. and Stowell, M.H. (2007) <i>Structure</i> 15, 707-14. 4. Bonanomi, D. et al. (2007) <i>Biochem J</i> 404, 525-34.				
Species Reactiv	ity	Species reactivity is d	etermined by testin	g in at least one approve	ed 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		<b>W:</b> Western Blotting <b>W-S:</b> Simple Western <sup>™</sup> <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-F:</b> Immunofluorescence (Frozen)				
Cross-Reactivity	/ Key	H: Human M: Mouse	R: Rat			
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