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anti-SYN2 antibody (Domain G, Intracellular)

2 Images



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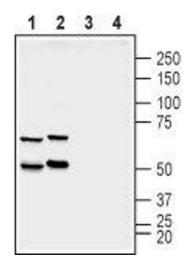
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Overview		
Quantity:	25 μL	
Target:	SYN2	
Binding Specificity:	AA 438-450, Domain G, Intracellular	
Reactivity:	Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This SYN2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SGTLKEPDSSKTP, corresponding to amino acid residues 438-450 of rat Synapsin-2	
Isotype:	IgG	
Cross-Reactivity (Details):	(Details): This antibody will recognize both canonical isoforms (also known as Synapsin IIa) and the shorter isoform (Synapsin-IIb).	
Characteristics:	Anti-Synapsin II (SYN2) Antibody (ABIN7043787, ABIN7044660 and ABIN7044661)) is a highly selective antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Synapsin II from mouse, human, and rat samples. This antibody will recognize both canonical isoforms (also known as Synapsin IIa) and the shorter isoform (Synapsin IIb).	

Product Details Purification: Affinity purified on immobilized antigen. Target Details SYN2 Target: Abstract: SYN2 Products Alternative names: Synapsin II (SYN2), Synapsin-2 Background: Gene ID: 29179 NCBI Accession: NM_133625 UniProt: Q63537 **Application Details** Optimal working dilution should be determined by the investigator. Application Notes: Restrictions: For Research Use only Handling Format: Lyophilized Reconstitution: $25\,\mu\text{L}$, $50\,\mu\text{L}$ or $0.2\,\text{mL}$ double distilled water (DDW), depending on the sample size. Concentration: 0.8 mg/mL Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. RT,4 °C,-20 °C Storage: Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

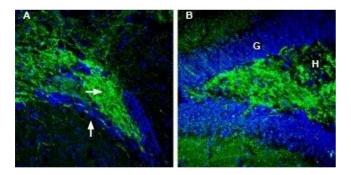
For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and

thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-Synapsin II (SYN2) Antibody (ABIN7043787, ABIN7044660 and ABIN7044661), (1:200).3,4. Anti-Synapsin II (SYN2) Antibody, preincubated with Synapsin II/SYN2 Blocking Peptide (#BLP-NR015).



Immunohistochemistry

Image 2. Expression of Synapsin-2 in mouse ventral striatum and rat hippocampus - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Synapsin II (SYN2) Antibody (ABIN7043787, ABIN7044660 and ABIN7044661), (1:200), followed by goatanti-rabbit-AlexaFluor-488 (green staining). A. Synapsin-2 staining in the mouse ventral striatum region shows dense patches of immunoreactivity within the islands of Calleja (IC) (horizontal arrow) that are delineated by DAPI-positive granule cells (in blue and marked by a vertical arrow). B. Synapsin-2 staining in the rat hippocampal dentate gyrus is detected in the dentate hilus (H) but not in the granule layer (G). Cell nuclei are stained with DAPI (blue).