www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Synapsin I (C-terminal region) Antibody

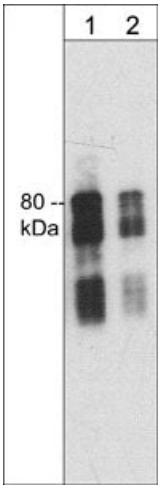
phosphosolutions ANTIBODIES THAT WORK

Product Details

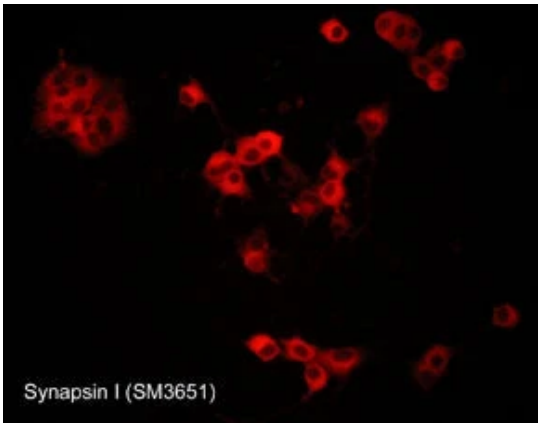
Available Variants	100 µL (SKU:SM3651)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M365
Gene Name	SYN1
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:50
Species Reactivity	Human, Mouse, Rat
Immunogen	Clone M365 was generated from a sequence corresponding to amino acids in the C-terminal region of mouse synapsin I. This sequence has high homology to human and rat synpasin I.
Specificity	This antibody detects an 80 kDa* protein corresponding to the molecular mass of Synapsin I on SDS-PAGE immunoblots of adult mouse brain.
Molecular Weight	80
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.

UniProt ID	O88935 UniProt Summary: Neuronal phosphoprotein that coats synaptic vesicles, and binds to the cytoskeleton. Acts as a regulator of synaptic vesicles trafficking, involved in the control of neurotransmitter release at the pre-synaptic terminal. Also involved in the regulation of axon outgrowth and synaptogenesis. The complex formed with NOS1 and CAPON proteins is necessary for specific nitric-oxid functions at a presynaptic level.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	20964

Product Images



Western blot of mouse brain lysate. The blot was probed with mouse monoclonal anti-Synapsin I (C-terminal region) antibody at 1:250 (lane 1) or 1:1000 (lane 2).



Immunocytochemical labeling of Synapsin I in rat PC12 cells differentiated with NGF. The cells were labeled with mouse monoclonal Synapsin I (C-terminal region) antibody, then detected using appropriate secondary antibody conjugated to Cy3.