

## Product Datasheet

# SYP/Synaptophysin Mouse Monoclonal Antibody (orb623778)

<b>Catalog Number</b>	orb623778
<b>Category</b>	Antibodies
<b>Description</b>	Anti-SYP/Synaptophysin Antibody (monoclonal, 3G12). Tested in WB applications. This antibody reacts with Mouse, Rat.
<b>Target</b>	Mitochondrial nicotinamide adenine dinucleotide transporter SLC25A51/52
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG2b
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse, Rat
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	500 µg/ml
<b>Buffer/Preservatives</b>	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .
<b>Reconstitution</b>	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
<b>Purification</b>	Immunogen affinity purified.
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence at the N-terminus of human Synaptophysin, identical to the related mouse and rat sequences.
<b>UniProt ID</b>	<b>Q62277, P08247, P07825</b>

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<b>MW</b>	38 kDa
<b>Tested applications</b>	WB
<b>Dilution range</b>	Western blot, 0.1-0.5µg/ml, Mouse, Rat
<b>Specificity</b>	No cross reactivity with other proteins.
<b>Cross Reactivity</b>	No cross-reactivity with other proteins.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	3G12
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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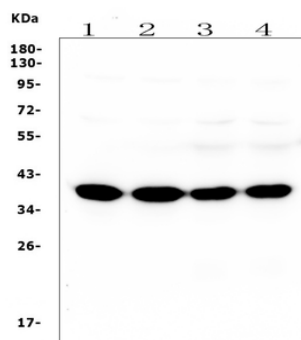
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Western blot analysis of SYP using anti-SYP antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat brain whole cell lysates, Lane 3: mouse brain whole cell lysates, Lane 4: mouse brain whole cell lysates, After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-SYP antigen affinity purified polyclonal antibody at 0.5 g/mL overnight at 4C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SYP at approximately 38 KD. The expected band size for SYP is at 34 KD.

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