

# AB-NN345-1

## Synaptotagmin-12 Antibody

Pan-specific monoclonal antibody (S277-7) for monitoring the expression of mouse Synaptotagmin-12



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Synaptotagmin-12
<b>Alias:</b>	SYT-12, SYT12, Synaptotagmin 12, Synaptotagmin XII, SytXII, Syt XII, Synaptotagmin12, SynaptotagminXII
<b>UniProt ID:</b>	Q920N7 - Mouse
<b>Human Predicted Mass (KDa):</b>	46.537 (421 AA; Q8IV01-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	45

### Immunogen

<b>Antibody Immunogen Source:</b>	Fusion protein amino acids 168-255 (Cytoplasmic C2A domain) of mouse Synaptotagmin-12
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   ICC/IF
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-437 was sufficient for detection of Synaptotagmin-12 in 20 µg of transiently overexpressing synaptotagmin-12 COS cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	In mouse brain lysates, this antibody detects a ~45 kDa protein.
<b>Antibody Specificity:</b>	Very High
<b>Antibody Cross Reactivities:</b>	Does not cross-react with Synaptotagmin-6 or other Synaptotagmins.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987