

## Anti-Synaptotagmin (Ser309) Antibody

Our Anti-Synaptotagmin (Ser309) rabbit polyclonal phosphospecific primary antibody from PhosphoSolut  
Catalog # AN1571

### Product Information

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<b>Application</b>	WB, ICC
<b>Primary Accession</b>	<a href="#">P21707</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	47399

### Additional Information

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<b>Gene ID</b>	25716
<b>Other Names</b>	DKFZp781D2042 antibody, FLJ42519 antibody, P65 antibody, SVP65 antibody, synaptotagmin 1 antibody, Synaptotagmin I antibody, SYT antibody, SYT1 antibody, SytI antibody
<b>Target/Specificity</b>	Synaptotagmin is widely regarded as the primary calcium sensor for synaptic vesicle exocytosis (Fernandez-Chacon et al., 2001; Wang et al., 2003). Moreover, recent studies indicate that the protein also plays a key role in endocytosis (Poskanzer et al., 2003). Synaptotagmin can be phosphorylated by multiple protein kinases and this may play a key role in modulation of synaptotagmin's ability to influence both the exocytotic and endocytotic components of synaptic transmission (Hilfiker et al., 1999; Lee et al., 2004).
<b>Dilution</b>	WB~~1:1000 ICC~~N/A
<b>Format</b>	Antigen Affinity Purified from Pooled Serum
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Anti-Synaptotagmin (Ser309) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
<b>Shipping</b>	Blue Ice

### Background

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Synaptotagmin is widely regarded as the primary calcium sensor for synaptic vesicle exocytosis (Fernandez-Chacon et al., 2001; Wang et al., 2003). Moreover, recent studies indicate that the protein also plays a key role in endocytosis (Poskanzer et al., 2003). Synaptotagmin can be phosphorylated by multiple protein kinases and this may play a key role in modulation of synaptotagmin's ability to influence both the

exocytotic and endocytotic components of synaptic transmission (Hilfiker et al., 1999; Lee et al., 2004).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.