

**Product Name: Synaptotagmin XI Rabbit Polyclonal Antibody****Catalog #: APRab18498**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	48kDa

**Antigen Information**

<b>Gene Name</b>	SYT11
<b>Alternative Names</b>	SYT11; KIAA0080; Synaptotagmin-11; Synaptotagmin XI; SytXI
<b>Gene ID</b>	23208.0
<b>SwissProt ID</b>	Q9BT88
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SYT11. AA range:181-230

**Background**

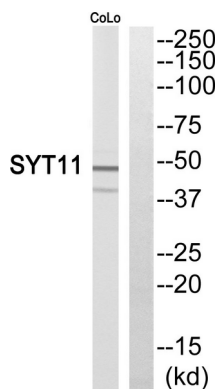
synaptotagmin 11(SYT11) Homo sapiens This gene is a member of the synaptotagmin gene family and encodes a protein

similar to other family members that are known calcium sensors and mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. The encoded protein is also a substrate for ubiquitin-E3-ligase parkin. The gene has previously been referred to as synaptotagmin XII but has been renamed synaptotagmin XI to be consistent with mouse and rat official nomenclature. [provided by RefSeq, Apr 2010],cofactor: Binds 3 calcium ions per subunit. The ions are bound to the C2 domains.,function: May be involved in  $\text{Ca}^{2+}$ -dependent exocytosis of secretory vesicles through  $\text{Ca}^{2+}$  and phospholipid binding to the C2 domain or may serve as  $\text{Ca}^{2+}$  sensors in the process of vesicular trafficking and exocytosis.,PTM: Ubiquitinated and targeted to the proteasome complex for degradation.,similarity: Belongs to the synaptotagmin family.,similarity: Contains 2 C2 domains.,subcellular location: In substantia nigra, observed in neuronal cell bodies and neurites. Found in the core of the Lewy bodies in the brain of sporadic Parkinson disease patients.,subunit: Homodimer. Can also form heterodimers (By similarity). Interacts with PARK2.,

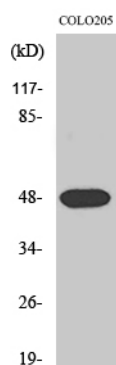
## Research Area

Neuroscience; Neurotransmission; Secretory Vesicles

## Image Data



Western blot analysis of SYT11 Antibody. The lane on the right is blocked with the SYT11 peptide.



Western Blot analysis of various cells using Synaptotagmin XI Polyclonal Antibody