



## Rat STX1A peptide (DAG-P2010)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	plays a role in neurotransmitter release
<b>Specificity</b>	Isoform 1 is highly expressed in embryonic spinal chord and ganglia and in adult cerebellum and cerebral cortex. Isoform 2 is expressed in heart, liver, fat, skeletal muscle, kidney and brain.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">Stx1a syntaxin 1A (brain) [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	STX1A
<b>Synonyms</b>	STX1A; syntaxin 1A (brain); syntaxin-1A; P35A; syntaxin 1A (brain)-like; neuron-specific antigen HPC-1; synaptotagmin-associated 35 kDa protein;
<b>Entrez Gene ID</b>	<a href="#">116470</a>
<b>mRNA Refseq</b>	<a href="#">NM_053788.2</a>
<b>Protein Refseq</b>	<a href="#">NP_446240.2</a>

<b>UniProt ID</b>	P32851
<b>Chromosome Location</b>	12q12
<b>Pathway</b>	Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; GABA synthesis, release, reuptake and degradation, organism-specific biosystem; Glutamate Neurotransmitter Release Cycle, organism-specific biosystem; Insulin secretion, organism-specific biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Norepinephrine Neurotra
<b>Function</b>	ATP-dependent protein binding; SNAP receptor activity; SNARE binding; SNARE binding; SNARE binding; calcium channel inhibitor activity; calcium channel inhibitor activity; calcium-dependent protein binding; glycoprotein binding; myosin binding; myosin hea