



# Rabbit Anti-Human STX1A Polyclonal Antibody (DPABH-08356)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-288 of human STX1A (NP_004594.1).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC
<b>Positive Control</b>	U-251MG, HT-1080, BT-474
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.

## BACKGROUND

**Introduction** This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-

specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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<b>Keywords</b>	STX1A; syntaxin 1A (brain); STX1; HPC-1; P35-1; SYN1A; syntaxin-1A; neuron-specific antigen HPC-1;
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">6804</a>
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<b>UniProt ID</b>	<a href="#">Q16623</a>
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