



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

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

PRODUCT INFORMATION

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

BACKGROUND

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

Keywords	STX1A; syntaxin 1A (brain); STX1; HPC-1; P35-1; SYN1A; syntaxin-1A; neuron-specific antigen HPC-1;
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GENE INFORMATION

Entrez Gene ID	6804
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UniProt ID	Q16623
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