

Product datasheet

Syntaxin 1A + Syntaxin 1B2 peptide (2-13) ab45797

Overview

**Product name** Syntaxin 1A + Syntaxin 1B2 peptide (2-13)

Description

**Nature** Synthetic

**Amino Acid Sequence**

**Species** Human

**Sequence** KDRTQELRTAKD-C

**Amino acids** 2 to 13

Specifications

Our [Abpromise guarantee](#) covers the use of **ab45797** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Blocking - Blocking peptide for Anti-Syntaxin 1A + Syntaxin 1B2 antibody ([ab39986](#))

**Form** Liquid

Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

**Relevance** Syntaxins are potentially involved in the docking of synaptic vesicles at presynaptic active zones and may play a key role in neurotransmitter exocytosis. Three isoforms are produced by alternative splicing. Isoform 1 is 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. Syntaxin 1A interacts with VAPA and SYBU and is a member of the SNARE core complex containing SNAP25 and VAMP2. In addition, it is found in complexes with SNAP25, SNAP23 and VAMP8. Haploinsufficiency of STX1A may result in particular cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome, a rare developmental disorder.

**Cellular localization** Cell membrane; single-pass type IV membrane protein; Isoform 2 is thought to be secreted

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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