

Anti-Synaptobrevin antibody [SP10] ab18013

2 References

Overview

Product name	Anti-Synaptobrevin antibody [SP10]
Description	Mouse monoclonal [SP10] to Synaptobrevin
Host species	Mouse
Specificity	Detects a ~18kD protein in WB, corresponding to predicted size of VAMP from human, mouse, rat, bovine, guinea pig, hamster, monkey, porcine, rabbit, sheep and Xenopus tissue. This antibody detects VAMP1 (amino acids 1-118) and VAMP2 (amino acids 33-96)-GST fusion proteins expressed in E. coli. No reactivity was seen with a ~18kD protein in mouse liver extracts. The clone number has been updated from (4E240) to (SP10) both clone numbers name the same antibody clone.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Sheep, Rabbit, Guinea pig, Hamster, Cow, Human, Pig, Xenopus laevis, Monkey
Immunogen	Tissue/ cell preparation (Human). Mice were immunized with synaptic vesicle containing fractions which were immunoprecipitated from human brain homogenates using anti-human synaptophysin monoclonal antibodies.
Positive control	Rat brain.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Constituents: PBS, 0.00174% PMSF, 50% Glycerol

Purity	Protein G purified
Clonality	Monoclonal
Clone number	SP10
Isotype	IgM

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab18013 in the following tested applications.

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

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.

Target

Relevance Synaptobrevins are highly conserved between vertebrates and invertebrates. It is a major constituent of synaptic vesicles and peptidergic secretory granules in all neurons examined so far. In addition, it is present on secretory granules of neuroendocrine cells. Synaptobrevins, Syntaxins, and the 25 kDa synaptosomal associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane.

Cellular localization Cytoplasmic vesicle › secretory vesicle › synaptic vesicle membrane. Single-pass type IV membrane protein. Cell junction › synapse › synaptosome. Isoform 3 is found in mitochondria, mitochondrial outer membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors