

Anti-Bassoon/BSN antibody ab110426

[2 References](#) [2 Images](#)

Overview

Product name	Anti-Bassoon/BSN antibody
Description	Rabbit polyclonal to Bassoon/BSN
Host species	Rabbit
Specificity	No cross-reactivity to Piccolo. Multiple isoforms can be detected.
Tested applications	Suitable for: IHC-Fr, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Fusion protein (His-tag) corresponding to Human Bassoon/BSN aa 750-1050 (N terminal). N-terminal his-tagged fusion protein Database link: Q9UPA5
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. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110426 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
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
WB		1/1000. Predicted molecular weight: 416 kDa. For large isoforms reduce dilution.

Target

Function

Is thought to be involved in the organization of the cytomatrix at the nerve terminals active zone (CAZ) which regulates neurotransmitter release. Seems to act through binding to ERC2/CAST1. Essential in regulated neurotransmitter release from a subset of brain glutamatergic synapses. Involved in the formation of the retinal photoreceptor ribbon synapses.

Tissue specificity

Exclusively expressed in brain.

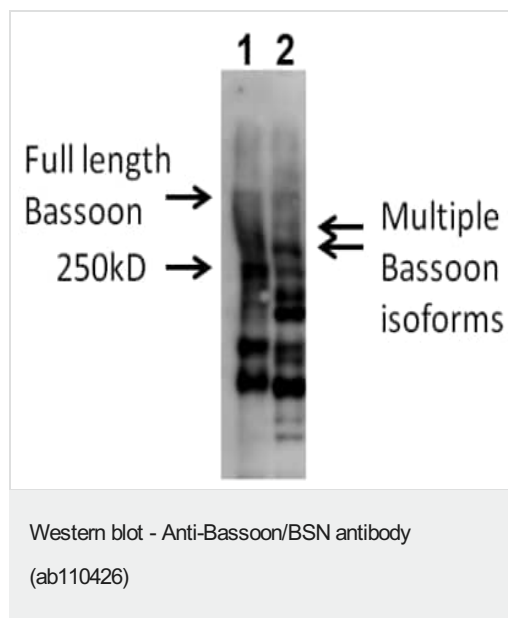
Post-translational modifications

Myristoylated. The N-terminal myristoylation is not sufficient for presynaptic localization.

Cellular localization

Cytoplasm. Cell junction > synapse > synaptosome. Cytoplasm > cytoskeleton. Localized to the active zone of presynaptic density.

Images



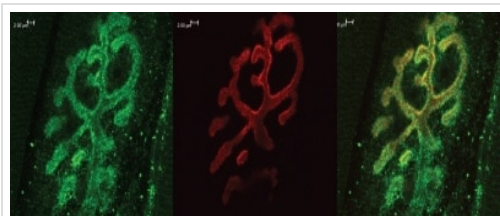
All lanes : Anti-Bassoon/BSN antibody (ab110426) at 1/1000 dilution

Lane 1 : Rat brain lysate

Lane 2 : Mouse brain lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 416 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bassoon/BSN antibody (ab110426)

Immunofluorescence of Neuromuscular junction whole muscle samples from adult mouse, stained with ab110426 at 1/400 dilution. Secondary (Alexa 488 goat antimouse IgG, IgM (H+L). Note: bright staining of the NMJ very selectively and in some terminals, very brightly.

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

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