

Product datasheet

Anti-Piccolo antibody ab110427

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Overview

Product name	Anti-Piccolo antibody
Description	Rabbit polyclonal to Piccolo
Host species	Rabbit
Specificity	No cross-reactivity to Bassoon. Multiple isoforms can be detected.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant full length protein corresponding to Human Piccolo. Database link: Q9Y6V0
Positive control	Mouse and Rat brain lysate; Neuromuscular junction muscle samples from adult mouse.
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	Constituent: PBS
	50% Glycerol
	0.09% Sodium Azide
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab110427 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 a concentration of 1 µg/ml. Predicted molecular weight: 567 kDa. For large isoforms reduce dilution.
IHC-P		1/400.

Target

Function

May act as a scaffolding protein involved in the organization of synaptic active zones and in synaptic vesicle trafficking.

Sequence similarities

Contains 2 C2 domains.
Contains 1 PDZ (DHR) domain.

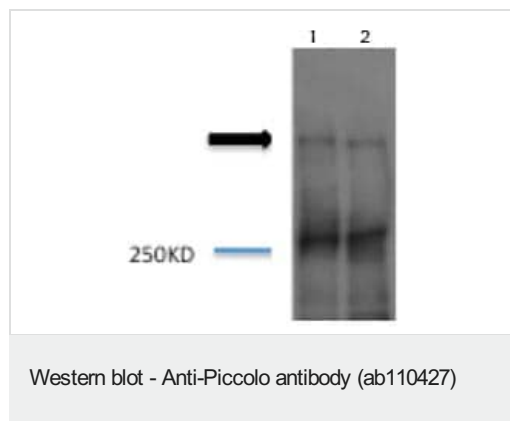
Domain

C2 domain 1 is involved in binding calcium and phospholipids. Calcium binds with low affinity but with high specificity and induces a large conformational change.

Cellular localization

Cell junction > synapse. Concentrated at the presynaptic side of synaptic junctions.

Images



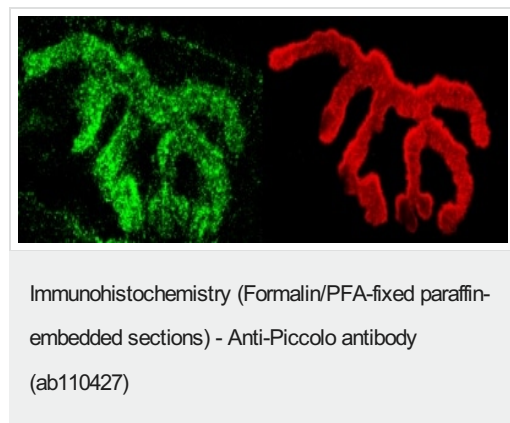
All lanes : Anti-Piccolo antibody (ab110427) at 1 µg/ml

Lane 1 : Mouse brain lysate

Lane 2 : Rat brain lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 567 kDa



ab110427 at 1/400 staining Piccolo in neuromuscular junction of whole muscle sample from adult mouse by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Secondary used was Alexa Fluor® 488 goat anti-mouse IgG, IgM (H+L). Red staining was an antibody directed against BTX.

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

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