



[Go to Product page](#)

Datasheet for ABIN863197 anti-Piccolo antibody

2 Images

Overview

Quantity:	100 µg
Target:	Piccolo (PIC)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Piccolo antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Full length Protein, BC001304.1
Specificity:	Detects ~550 kDa. No cross-reactivity to Bassoon.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein A Purified

Target Details

Target:	Piccolo (PIC)
Alternative Name:	Piccolo (PIC Products)
Background:	<p>Piccolo, also referred to as Aczonin, is a large protein which consists of an N-terminal Zn²⁺ finger, several piccolo-bassoon homology domains and C-terminal PDZ and C2 domains (1, 2). In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matrix assembled at active zones) (3). Piccolo is a scaffolding protein for proteins</p>

Target Details

involved in endo- and exocytosis of synaptic vesicles. Piccolo has also been shown to interfere with clathrin mediated endocytosis by binding to the F-actin and dynamin binding protein Abp1 (2).

Gene ID: 27445

NCBI Accession: [NP_055325](#)

UniProt: [Q9Y6V0](#)

Application Details

Application Notes:

- WB (1:1000)
- IHC (1:400)
- optimal dilutions for assays should be determined by the user.

Comment: 1 µg/ml of ABIN863197 was sufficient for detection of Piccolo in 10 µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat ant rabbit IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

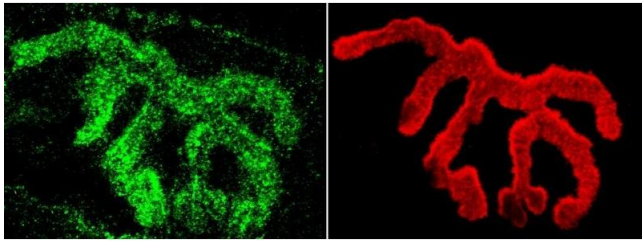
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

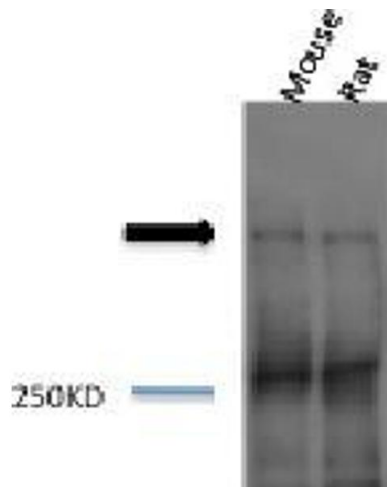
Storage: -20 °C

Storage Comment: -20°C



Immunohistochemistry

Image 1. Immunohistochemistry analysis using Rabbit Anti-Piccolo Polyclonal Antibody (ABIN863197). Tissue: Muscle. Species: Mouse. Primary Antibody: Rabbit Anti-Piccolo Polyclonal Antibody (ABIN863197) at 1:400. Secondary Antibody: Alexa Fluor 488 Goat Anti-Rabbit. Counterstain: BTX (red). Localization: Selective staining of the NMJ.



Western Blotting

Image 2. SPC 197.