

Datasheet for ABIN2482374
anti-Piccolo antibody (Atto 594)

2 Images



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Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | Piccolo (PIC) |
| Reactivity: | Mouse |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Piccolo antibody is conjugated to Atto 594 |
| Application: | Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Full length recombinant protein (GenBank ID: BC001304.1) |
| Clone: | 6H9-B6 |
| Isotype: | IgG2b kappa |
| Specificity: | Detects ~550 kDa. No cross-reactivity to Bassoon. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Protein G Purified |

Target Details

| | |
|-------------------|---|
| Target: | Piccolo (PIC) |
| Alternative Name: | Piccolo (PIC Products) |
| Background: | Piccolo, also referred to as Aczonin, is a large protein which consists of an N-terminal Zn2+ |

Target Details

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 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: 26875

NCBI Accession: [NP_001104266](#)

UniProt: [Q9QYX7](#)

Application Details

Application Notes:

- WB (1:1000)
- ICC/IF (1:100)
- optimal dilutions for assays should be determined by the user.

Comment: 1 µg/ml of ABIN2482374 was sufficient for detection of Piccolo in 20 µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

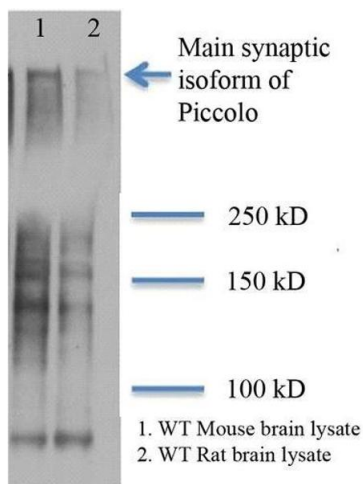
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

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

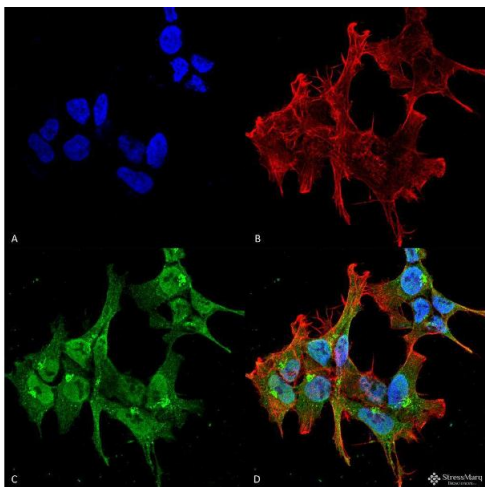
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



Western Blotting

Image 1. Western Blot analysis of Rat and mouse brain lysates showing detection of Piccolo protein using Mouse Anti-Piccolo Monoclonal Antibody, Clone 6H9-B6 . Primary Antibody: Mouse Anti-Piccolo Monoclonal Antibody at 1:1000. (1) Mouse brain lysate; (2) Rat brain lysate.



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Piccolo Monoclonal Antibody, Clone 6H9-B6 . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-Piccolo Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cytoplasm, Endoplasmic Reticulum, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) Piccolo Antibody (D) Composite.