

Product Datasheet

Piccolo Antibody (HRP) (orb147927)

Catalog Number	orb147927
Category	Antibodies
Description	Mouse monoclonal to Piccolo (HRP). Piccolo, also referred to as Aczonin, is a large protein which consists of an N-terminal Zn ²⁺ finger, several piccolo-bassoon homology domains and C-terminal PDZ and C2 domains. In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matrix assembled at active zones). 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..
Target	Piccolo
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2b Kappa
Conjugation	HRP
Reactivity	Human, Mouse, Rat
Concentration	1 mg/ml
Buffer/Preservatives	73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide 0.23mM Citrate
Purification	Protein G Purified
Immunogen	Full length recombinant protein (GenBank ID: BC001304.1)
UniProt ID	Q9QYX7

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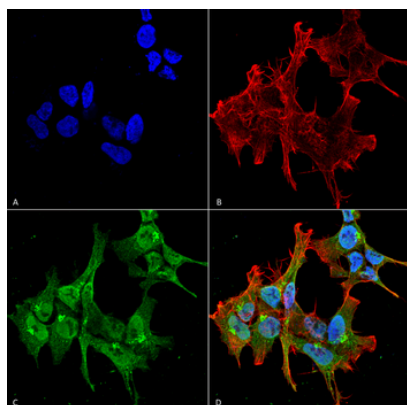
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MW	550kDa
Tested applications	ELISA, ICC, IF, WB
Dilution range	WB (1:1000), ICC/IF (1:100)
Application notes	1 µg/ml of SMC-188 was sufficient for detection of Piccolo in 20 µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat IgG:HRP as the secondary antibody.
Specificity	Detects ~550kDa. No cross-reactivity to Bassoon.
Clone Number	6H9-B6
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Entrez	26875
NCBI	NP_001104266.1



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.

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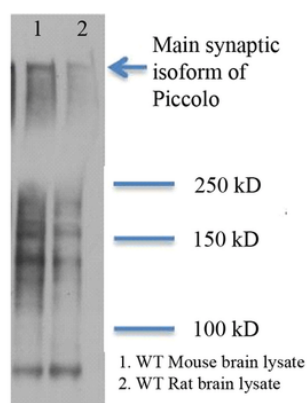
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Western Blot analysis of Rat and mouse brain lysates showing detection of Piccolo protein using Mouse Anti-Piccolo Monoclonal Antibody, Clone 6H9-B6. Primary Antibody: Mouse Anti-Piccolo Monoclonal Antibody at 1:1000. (1) Mouse brain lysate; (2) Rat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

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