

Product datasheet for **TA326449**

Piccolo (PCLO) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Full length protein
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	piccolo presynaptic cytomatrix protein
Database Link:	NP_055325 Entrez Gene 26875 Mouse Entrez Gene 56768 Rat Entrez Gene 27445 Human Q9Y6V0

Background: 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 . In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matric 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 medicated endocytosis by binding to the F-actin and dynamin binding protein Abp1 .

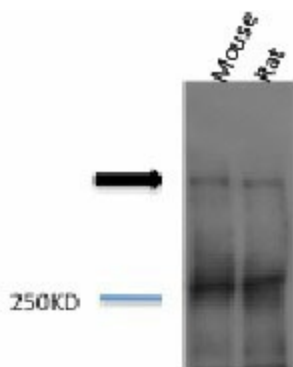
Synonyms: ACZ

Note: Detects ~550kDa corresponding to the molecular weight of Piccolo. Multiple isoforms can be detected. No cross-reactivity to Bassoon.

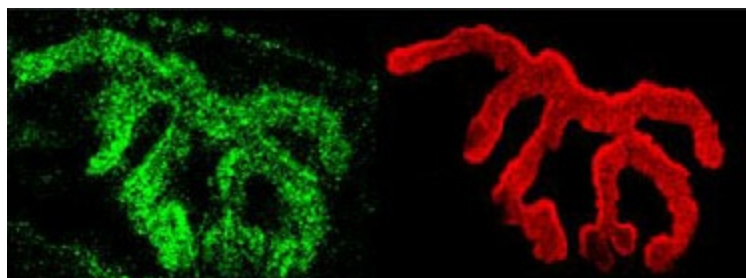


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Product images:



Western blot analysis of Piccolo in mouse and rat brain lysate, using a 1:1000 dilution of the antibody



Piccolo BTX. Neuromuscular junction whole muscle samples from adult mouse, with 1:400 dilution of the antibody, secondary (Alexa 488 goat anti-Rabbit from invitrogen). It shows bright staining of the NMJ very selectively as well as some terminals, very brig