

bs-11354R**[Primary Antibody]****Piccolo Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Dog)
GeneID: 27445	SWISS: Q9Y6V0	
Target: Piccolo		Predicted MW.: 557 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Piccolo: 4951-5056/5056.		Subcellular Location: Cell membrane
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Piccolo is 1 component of the presynaptic cytomatrix. Bassoon is a large protein which is also found in the presynaptic compartments of rat brain synapses. Bassoon, along with Piccolo, is part of the ensemble of presynaptic proteins that are involved in orchestrating events at the nerve terminal. Bassoon is found in axon terminals of hippocampal neurons where it is highly concentrated in the vicinity of the active zone. Piccolo has a similar distribution and colocalizes with Bassoon in cultured hippocampal cells. Piccolo zinc fingers interact with the dual prenylated rab3A and VAMP2/ Synaptobrevin II receptor PRA. Bassoon may be involved in cytomatrix organization at the site of neurotransmitter release. The gene which encodes bassoon maps to human chromosome 3p21.31. The gene which encodes piccolo maps to human chromosome 7q21.11.		