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30-1500: Anti-PCLO Monoclonal Antibody (Clone:PCLO-01)

Clonality :	Monoclonal
Clone Name :	PCLO-01
Application :	FACS, WB
Reactivity :	Human
Gene :	PCLO
Gene ID :	27445
Uniprot ID :	Q9Y6V0
Format :	Purified
Alternative Name :	PCLO,ACZ,KIAA0559
Isotype :	Mouse IgG1
Immunogen Information :	Human recombinant PCLO protein

Description

PCLO (piccolo, also known as aczonin) is a large (more than 400 kDa) multidomain protein of the presynaptic cytomatrix in neurons, that is present in all vertebrate synapses, but is absent from invertebrates. It contains zinc finger and coiled-coil sequences, as well as N-terminal glutamine-rich sequence, and C-terminal PDZ domain followed by two C2 domains (C2A and C2B). In vitro binding and transfection experiments suggested that PCLO binds to multiple proteins including profilin and L-type calcium channels. It is involved in neurotransmitter release and insulin secretion.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

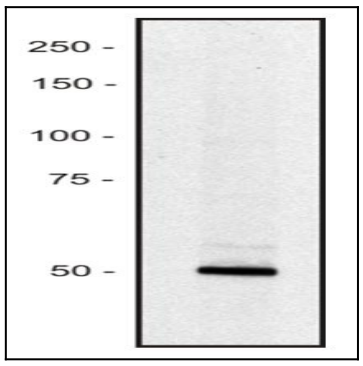


Fig. 1: Western blot of human REH erythroid cell line lysate (1% laurylmaltoside); non-reduced sample, immunostained by mAb PCLO-01 and goat anti-mouse IgG (H+L)-HRP conjugate. The zone evidently corresponds to a small splice variant of the PCLO protein present in this type of cell (see Uniprot database, Genome Res. 14:2121-2127(2004)); the major form (over 500 kDa) expressed in neurons is too large for analysis by Western blotting.

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