

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

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

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

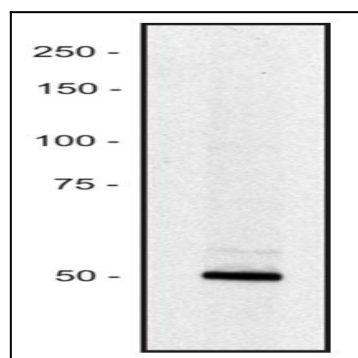


Fig. 1: Western blot of human REH erythroid cell line lysate (1% laurylmaltoside); non-reduced sample, immunostained by mAb PCLO-01 and goat anti-mouse IgG (H+L)-HRP conjugate. The zone evidently corresponds to a small splice variant of the PCLO protein present in this type of cell (see Uniprot database,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