

PCLO mouse monoclonal antibody (hybridoma)

Catalog # H00027445-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PCLO.
Immunogen	PCLO (AAH01304.2, 1 a.a. ~ 356 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKKFRVSLVSKVGKQKYVDLNLSDSENSQHLELHEPPKAVDKAKSPGVDPKQLAAELQKVSLQQSPLVLSSVVEKGSVHSGPTSAGSSSVSPGQPGSPSVSKKKHGSSKPTDGTKVVSHPIITG EIQIQINIDLGNLIHILQARNLVPRDNNGYSDPFVKVYLLPGRGAEYKRRTKHHVQKSLNPEWNQTVI YKSISMEQLKKKTLEVTWVDYDRFSSNDLGEVLIDLSSSTAHLDNTPRWYPLKEQTESIDHGKSHS SQSSQQSPKPSVIKSRSHGIFDPKDMQVPTIEKSHSSPGSSKSSSEGHLRSHGSPRSQSKTS VTQTHLEDAGAAIAAAEAAVQQLRIQPSKRRK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (92)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PCLO

Entrez GeneID [27445](#)

GeneBank Accession# [BC001304.1](#)

Protein Accession# [AAH01304.2](#)

Gene Name PCLO

Gene Alias ACZ, DKFZp779G1236

Gene Description piccolo (presynaptic cytomatrix protein)

Omim ID [604918](#)

Gene Ontology [Hyperlink](#)

Gene Summary Synaptic vesicles dock and fuse in the active zone of the plasma membrane at chemical synapses. The presynaptic cytoskeletal matrix (PCM), which is associated with the active zone and is situated between synaptic vesicles, is thought to be involved in maintaining the neurotransmitter release site in register with the postsynaptic reception apparatus. The cycling of synaptic vesicles is a multistep process involving a number of proteins (see MIM 603215). Among the components of the PCM that orchestrate these events are Bassoon (BSN; MIM 604020), RIM (RBBP8; MIM 604124), Oboe, and Piccolo (PCLO).[supplied by OMIM]

Other Designations aczonin|piccolo

Disease

- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)