

ARG59434 anti-PRX / Periaxin antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRX / Periaxin
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRX / Periaxin
Species	Human
Immunogen	Recombinant protein corresponding to M1-K91 of Human PRX / Periaxin.
Conjugation	Un-conjugated
Alternate Names	Periaxin; CMT4F

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

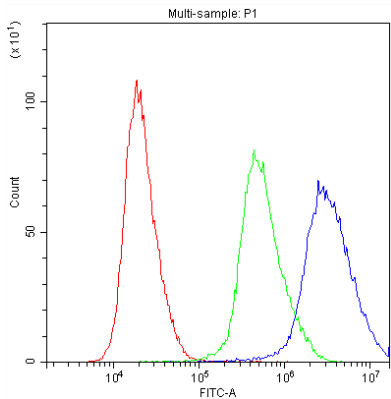
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

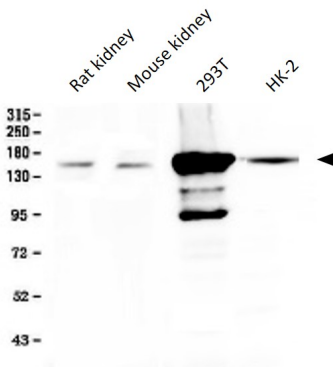
Gene Symbol	PRX
Gene Full Name	periaxin
Background	This gene encodes a protein involved in peripheral nerve myelin upkeep. The encoded protein contains 2 PDZ domains which were named after PSD95 (post synaptic density protein), DlgA (Drosophila disc large tumor suppressor), and ZO1 (a mammalian tight junction protein). Two alternatively spliced transcript variants have been described for this gene which encode different protein isoforms and which are targeted differently in the Schwann cell. Mutations in this gene cause Charcot-Marie-Tooth neuropathy, type 4F and Dejerine-Sottas neuropathy. [provided by RefSeq, Jul 2008]
Function	Seems to be required for maintenance of peripheral nerve myelin sheath. May have a role in axon-glia interactions, possibly by interacting with the cytoplasmic domains of integral membrane proteins such as myelin-associated glycoprotein in the periaxonal regions of the Schwann cell plasma membrane. May have a role in the early phases of myelin deposition. [UniProt]
Calculated Mw	155 kDa
Cellular Localization	Isoform 1: Cell membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus. Cytoplasm. Note=Detected in the Schwann cell nucleus prior to the onset of myelination. Detected in Schwann cells at periaxonal myelin membranes. Associated with the cell membrane during myelination. Isoform 2: Cytoplasm. Cell membrane. Cell junction. Note=Colocalizes with ACTB at tricellular junctions between eye lens fiber cells. [UniProt]

Images



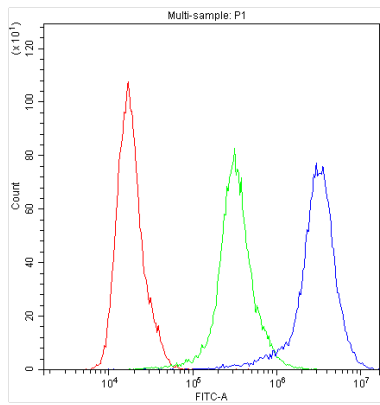
ARG59434 anti-PRX / Periaxin antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG59434 anti-PRX / Periaxin antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59434 anti-PRX / Periaxin antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat kidney, Mouse kidney, 293T and HK-2 whole cell lysates stained with ARG59434 anti-PRX / Periaxin antibody at 0.5 µg/ml, overnight at 4°C.



ARG59434 anti-PRX / Periaxin antibody FACS image

Flow Cytometry: K562 cells were blocked with 10% normal goat serum and then stained with ARG59434 anti-PRX / Periaxin antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.