

Rabbit PRX Polyclonal Antibody | anti-PRX antibody

Anti-PRX Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19153	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PRX; Polyclonal Antibody; Anti-PRX Picoband antibody; Periaxin; KIAA1620; anti-PRX antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized ; Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	1,322
Applicable Applications for anti-PRX antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5ug/ml Immunohistochemistry(Frozen Section): 0.5-1ug/ml ICC: 0.5-1ug/ml FC: 1-3g/1x10⁶ cells Direct ELISA: 0.1-0.5ug/ml Tested Species: In-house with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	E Coli-derived human PRX recombinant protein (Position: M1-K91).
Cross Reactivity	No cross reactivity with other proteins
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection System	We recommend Enhanced Chemiluminescent Kit with anti-Rabbit IgG (catalog #: please inquire) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(F) and ICC.
Preparation and Storage	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for 6 months. Avoid repeated freezing and thawing.

IMAGES



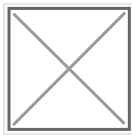
FCM (Flow Cytometry)

Figure 3. Flow Cytometry analysis of K562 cells using anti-PRX antibody (AAA19153).Overlay histogram showing K562 cells stained with AAA19153 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PRX Antibody (AAA19153,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 2. Flow Cytometry analysis of A549 cells using anti-PRX antibody (AAA19153).Overlay histogram showing A549 cells stained with AAA19153 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PRX Antibody (AAA19153,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of PRX using anti-PRX antibody (AAA19153). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat kidney tissue lysates,Lane 2: mouse kidney tissue lysates,Lane 3: human 293T whole cell lysates,Lane 4: human HK-2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PRX antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PRX at approximately 155KD. The expected band size for PRX is at 155KD.

ADDITIONAL INFORMATION

Related Product Information for anti-PRX antibody	Description: Periaxin is a protein that in humans is encoded by the PRX gene. 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
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13491172
NCBI GeneID	57716
NCBI Accession #	NP_066007.1
NCBI GenBank Nucleotide #	NM_020956.2
UniProt Accession #	Q9BXM0; Q9BXL9; Q9HCF2
NCBI Official Full Name	periaxin isoform 1
UniProt Protein Name	Periaxin
UniProt Gene Name	PRX
UniProt Synonym Gene Names	KIAA1620

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

