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# Datasheet for ABIN7043432 anti-Periaxin antibody (Intracellular, N-Term)

Periaxin.



2

Images



Overview	
Quantity:	25 μL
Target:	Periaxin (PRX)
Binding Specificity:	AA 155-170, Intracellular, N-Term
Reactivity:	Rat, Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Periaxin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)DVEFSFPKFSRLRR, corresponding to amino acid residues 155-170
	of rat PRX
lsotype:	lgG
Cross-Reactivity (Details):	Specific to isoform 1 also known as L-Periaxin (will not recognize isoform 2 known as S-
	Periaxin).
Characteristics:	Anti-Periaxin Antibody (ABIN7043432, ABIN7044712 and ABIN7044713)) is a highly specific
	antibody directed against an epitope of rat PRX. The antibody can be used in western blot and
	immunohistochemistry applications. It has been designed to recognize PRX from mouse, rat
	and human samples. The antibody specifically recognizes L-Periaxin. It does not recognize S-

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### Product Details

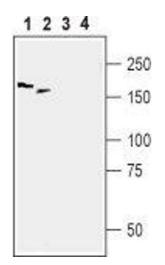
### Purification:

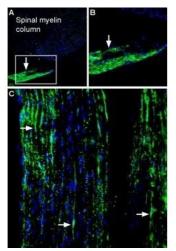
Affinity purified on immobilized antigen.

## Target Details

Target:	Periaxin (PRX)
Alternative Name:	Periaxin (PRX Products)
Background:	Alternative names: Periaxin, PRX, CMT4F
Gene ID:	78960
NCBI Accession:	NM_020956
UniProt:	Q63425
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

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#### Western Blotting

**Image 1.** Western blot analysis of rat DRG (lanes 1 and 3) and mouse brain (lanes 2 and 4) lysates: - 1,2. Anti-Periaxin Antibody (ABIN7043432, ABIN7044712 and ABIN7044713), (1:600).3,4. Anti-Periaxin Antibody, preincubated with Periaxin Blocking Peptide (#BLP-NR091).

#### Immunohistochemistry

**Image 2.** Expression of Periaxin in rat peripheral nerve -Immunohistochemical staining of free floating frozen rat peripheral nerve sections using Anti-Periaxin Antibody (ABIN7043432, ABIN7044712 and ABIN7044713), (#1:600). A. PRX staining (green) appears in a peripheral nerve (arrow) connecting to the spinal dorsal horn (D horn). Note the absence of staining of spinal myelin column indicating the specificity of the antibody to peripheral myelin. B. A higher magnification of the insert from panel A. C. Segment of peripheral nerve contains PRX-positive fibers. (arrows). In all panels DAPI is used as the counterstain (blue).

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