

Datasheet for ABIN1882119
anti-Peroxiredoxin 2 antibody (AA 98-127)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	Peroxiredoxin 2 (PRDX2)
Binding Specificity:	AA 98-127
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PRDX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-127 amino acids from the Central region of human PRDX2.
Clone:	RB20887
Isotype:	Ig Fraction
Predicted Reactivity:	Pr
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Peroxiredoxin 2 (PRDX2)
Alternative Name:	PRDX2 (PRDX2 Products)

Target Details

Background:	PRDX2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms.
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Molecular Weight:	21892
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NCBI Accession:	NP_005800
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UniProt:	P32119
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Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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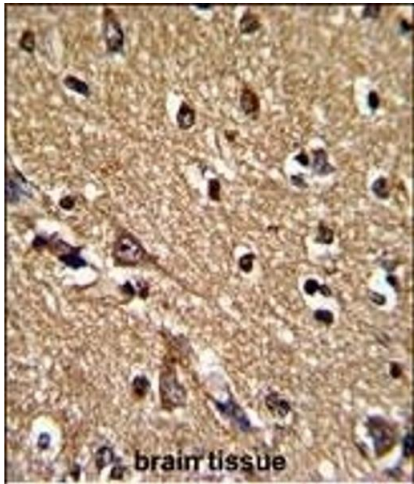
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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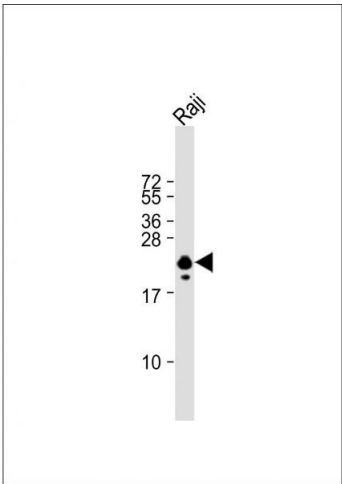
Storage:	4 °C,-20 °C
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Expiry Date:	6 months
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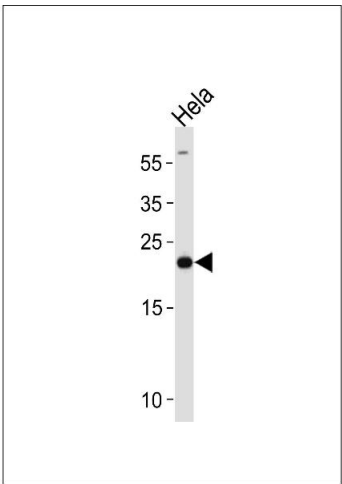
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with PRDX2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Anti-PRDX2 Antibody (Center) at 1:1000 dilution + Raji whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. PRDX2 Antibody (Center) (ABIN1882119 and ABIN2839533) western blot analysis in HeLa cell line lysates (35 µg/lane). This demonstrates the PRDX2 antibody detected the PRDX2 protein (arrow).