antibodies .- online.com





anti-Peroxiredoxin 4 antibody (C-Term)

100 μg



Images



Go to Product page

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Quantity:

Target:	Peroxiredoxin 4 (PRDX4)	
Binding Specificity:	AA 178-2081, C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Peroxiredoxin-4(PRDX4) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.	
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Peroxiredoxin 4 (178-2081aa SDLTHQISKDYGVYLEDSGHTLRGLFIIDDK), different from the related mouse and rat sequences by one amino acid.	
Sequence:	SDLTHQISKD YGVYLEDSGH TLRGLFIIDD K	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Peroxiredoxin-4(PRDX4) detection. Tested with WB, IHC-P,	

ICC in Human, Mouse, Rat.

	Cana Nama: paraviradavia 4
	Gene Name: peroxiredoxin 4 Protein Name: Peroxiredoxin-4
Purification:	Immunogen affinity purified.
Target Details	
Target:	Peroxiredoxin 4 (PRDX4)
Alternative Name:	PRDX4 (PRDX4 Products)
Background:	PRDX4 (peroxiredoxin 4) is also known as AOE37-2. The protein encoded by this gene is an
	antioxidant enzyme and belongs to the peroxiredoxin family. Functional analysis showed that
	PRDX4 protects glutamine synthetase from inactivation. Yeast 2-hybrid, immunoprecipitation,
	and immunoblot analyses indicated that PRDX4 and PRDX1 are capable of homodimerization
	and heterodimerization with each other but not with the mitochondrial PRDX3. Gel mobility shi
	and immunoblot analysis found that PRDX4 depletes NFKB binding activity together with a
	reduction in the amounts of p50, p65, and phosphorylated IKBA, as well as a reduction in the
	expression of HIV-1 viral proteins. Expression of PRDX4, alone or with PRDX1, increased the
	resistance of yeast cells to oxidant-induced toxicity. Jin et al. suggested PRDX4 modulates
	IKBA phosphorylation in the cytoplasm and thus affects a peroxiredoxin-dependent redox step
	Synonyms: Antioxidant enzyme 372 antibody Antioxidant enzyme A0E372 antibody A0E37 2
	antibody AOE37-2 antibody AOE372 antibody EC 1.11.1.15 antibody Peroxiredoxin IV
	antibody Peroxiredoxin-4 antibody Peroxiredoxin4 antibody PRDX 4 antibody PRDX4
	antibody PRDX4_HUMAN antibody PRX 4 antibody Prx IV antibody Prx-IV antibody PRX4
	antibody PrxIV antibody Thioredoxin dependent peroxide reductase A0372
	antibody Thioredoxin Peroxidase (Antioxidant Enzyme) antibody Thioredoxin peroxidase
	antibody Thioredoxin peroxidase AO372 antibody Thioredoxin-dependent peroxide reductase
	A0372 antibody TRANK antibody

Application Details

10549

Q13162

Application Notes:

Gene ID:

UniProt:

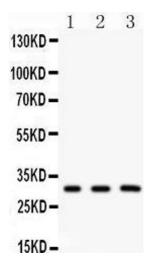
WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat, The detection limit for Peroxiredoxin 4 is approximately 0.1 ng/lane under reducing conditions.

IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by

Application Details

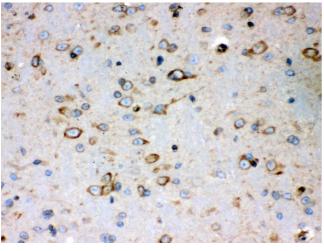
Application Details		
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the	
	staining of formalin/paraffin sections.	
	ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human	
	Notes: Tested Species: Species with positive results. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P) and ICC.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	

and thawing.



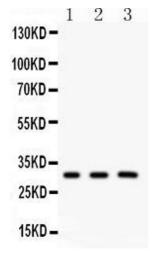
Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- Peroxiredoxin 4 Picoband antibody, IHC(P) IHC(P): Mouse Brain Tissue



Western Blotting

Image 3. Anti- Peroxiredoxin 4 Picoband antibody, Western blottingAll lanes: Anti Peroxiredoxin 4 at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 50ug Lane 2: Mouse Brain Tissue Lysate at 50ug Lane 3: HELA Whole Cell Lysate at 40ugPredicted bind size: 31KDObserved bind size: 31KD

Please check the product details page for more images. Overall 6 images are available for ABIN3043905.