



Datasheet for ABIN6264412

## anti-Peroxiredoxin 4 antibody (C-Term)



[Go to Product page](#)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	Peroxiredoxin 4 (PRDX4)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### Product Details

Immunogen:	A synthesized peptide derived from human PRDX4, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	PRDX4 Antibody detects endogenous levels of total PRDX4.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

#### Target Details

Target:	Peroxiredoxin 4 (PRDX4)
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## Target Details

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Alternative Name: PRDX4 ([PRDX4 Products](#))

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Background: Description: Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

Gene: PRDX4

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Molecular Weight: 31kDa

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Gene ID: 10549

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UniProt: [Q13162](#)

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## Application Details

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Application Notes: WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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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: -20 °C

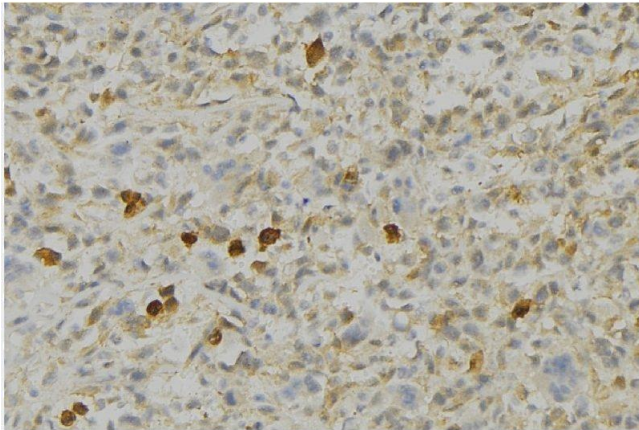
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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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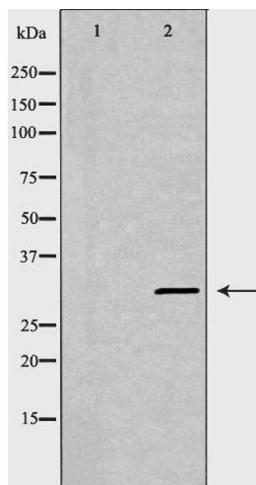
Expiry Date: 12 months

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### Immunohistochemistry

**Image 1.** ABIN6276690 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Western Blotting

**Image 2.** Western blot analysis of Mouse lung lysate, using PRDX4 Antibody. The lane on the left is treated with the antigen-specific peptide.