

Datasheet for ABIN7269238  
**anti-Peroxiredoxin 4 antibody**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	Peroxiredoxin 4 (PRDX4)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Purpose:	Peroxiredoxin 4 (PRDX4) Rabbit mAb
Immunogen:	A synthesized peptide derived from human Peroxiredoxin 4 (PRDX4) (PRDX4)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	Peroxiredoxin 4 (PRDX4)
Alternative Name:	PRDX4 ( <a href="#">PRDX4 Products</a> )
Background:	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin

## Target Details

family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq, Jul 2008],AOE37-2, AOE372, HEL-S-97n, PRX-4,Cell Biology & Developmental Biology,PRDX4

Molecular Weight: 27kDa

Gene ID: 10549

UniProt: [Q13162](#)

## Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

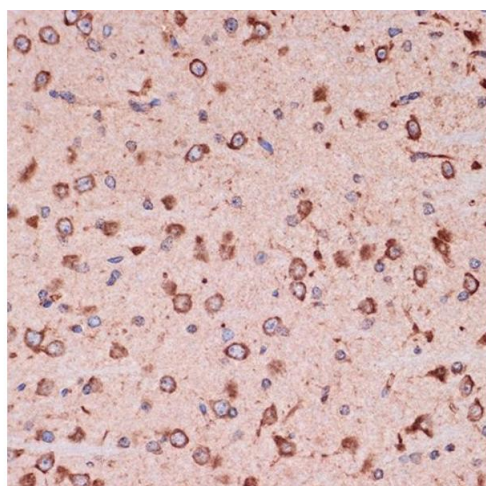
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

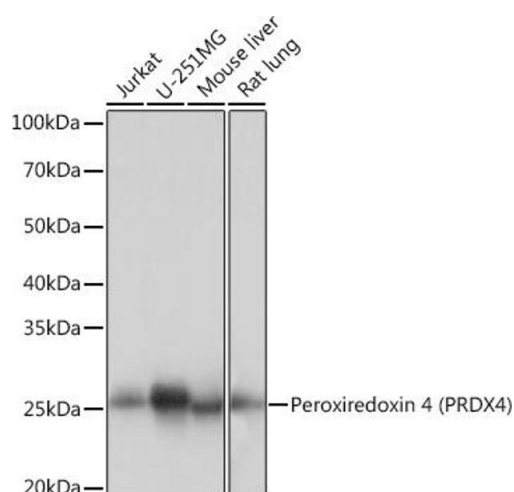
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



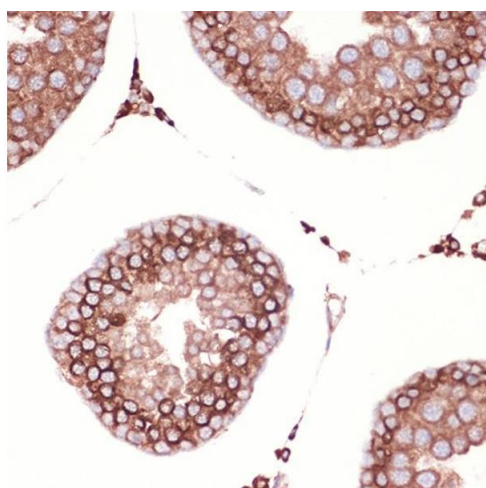
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded mouse brain using Peroxiredoxin 4 (PRDX4) (PRDX4) Rabbit mAb (ABIN7269238) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using Peroxiredoxin 4 (PRDX4) (PRDX4) Rabbit mAb (ABIN7269238) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded rat testis using Peroxiredoxin 4 (PRDX4) (PRDX4) Rabbit mAb (ABIN7269238) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7269238.