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# anti-Peroxiredoxin 4 antibody (AA 14-258)





### Overview

Quantity:	100 μL
Target:	Peroxiredoxin 4 (PRDX4)
Binding Specificity:	AA 14-258
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

# **Product Details**

Purpose:	Polyclonal Antibody to Peroxiredoxin 4 (PRDX4)
Immunogen:	Recombinant Peroxiredoxin 4 (PRDX4) corresdonding to Ser14~Thr258 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against PRDX4. It has been selected for its ability to recognize PRDX4 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

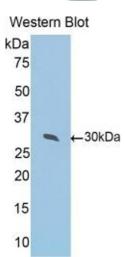
# **Target Details**

Target:	Peroxiredoxin 4 (PRDX4)
Alternative Name:	Peroxiredoxin 4 (PRDX4 Products)
Background:	Antioxidant enzyme AOE372, Thioredoxin-dependent peroxide reductase A0372
Application Details	
Application Notes:	Western blotting: 0.5-2 μg/mL
	Immunohistochemistry: 5-20 μg/mL
	Immunocytochemistry: 5-20 μg/mL
	Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated
	thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious
	degradation and precipitation were observed. The loss rate is less than 5% within the expiration
	date under appropriate storage condition.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without
	detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



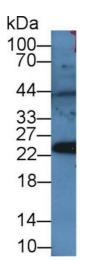
# **Western Blotting**

**Image 1.** Detection of PRDX4 in Mouse Liver lysate using Polyclonal Antibody to Peroxiredoxin 4 (PRDX4)



### **Western Blotting**

**Image 2.** Detection of Recombinant PRDX4, Mouse using Polyclonal Antibody to Peroxiredoxin 4 (PRDX4)



# **Western Blotting**

**Image 3.** Detection of PRDX4 in Rat Serum using Polyclonal Antibody to Peroxiredoxin 4 (PRDX4)

Please check the product details page for more images. Overall 4 images are available for ABIN7436123.