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## anti-Peroxiredoxin 3 antibody

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**Images** 



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Quantity:	200 μL
Target:	Peroxiredoxin 3 (PRDX3)
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### **Product Details**

Immunogen:	Recombinant protein of human PRDX3
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

#### **Target Details**

Target:	Peroxiredoxin 3 (PRDX3)
Alternative Name:	PRDX3 (PRDX3 Products)
Background:	This gene encodes a protein with antioxidant function and is localized in the mitochondrion.
	This gene shows significant nucleotide sequence similarity to the gene coding for the C22
	subunit of Salmonella typhimurium alkylhydroperoxide reductase. Expression of this gene
	product in E. coli deficient in the C22-subunit gene rescued resistance of the bacteria to

#### **Target Details**

alkylhydroperoxide. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene.

Molecular Weight: 28 kDa

UniProt: P30048

Pathways: Ribonucleoside Biosynthetic Process, Methionine Biosynthetic Process

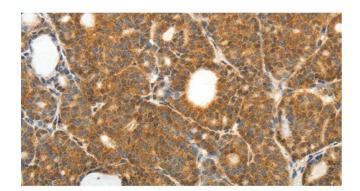
#### **Application Details**

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

Restrictions: For Research Use only

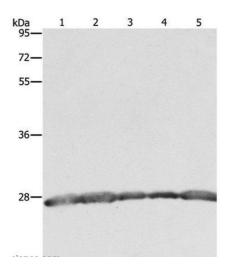
#### Handling

Format:	Liquid
Concentration:	0.2 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
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.



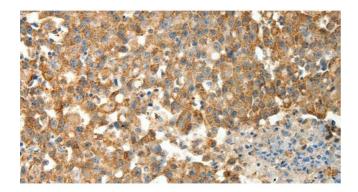
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human thyroid cancer using PRDX3 Polyclonal Antibody at dilution of 1:50



#### **Western Blotting**

**Image 2.** Western Blot analysis of Hela, 293T and MCF7 cell, Human fetal brain tissue and Jurkat cell using PRDX3 Polyclonal Antibody at dilution of 1:800



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human breast cancer using PRDX3 Polyclonal Antibody at dilution of 1:50