# antibodies - online.com







### anti-Peroxiredoxin 4 antibody (AA 82-110)





_						
0	V	0	r٧	/[	$\Theta$	M

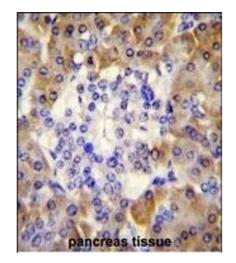
Overview			
Quantity:	400 μL		
Target:	Peroxiredoxin 4 (PRDX4)		
Binding Specificity:	AA 82-110		
Reactivity:	Human, Mouse		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated		
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))		
Product Details			
Immunogen:	This PRDX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic		
	peptide between 82-110 amino acids from the Central region of human PRDX4.		
Clone:	RB20891		
Isotype:	Ig Fraction		
Predicted Reactivity:	B, Rat		
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.		
Target Details			
Target:	Peroxiredoxin 4 (PRDX4)		
Alternative Name:	PRDX4 (PRDX4 Products)		

### **Target Details**

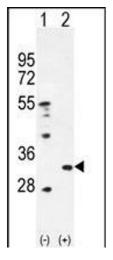
Expiry Date:

6 months

· ·			
Background:	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin 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.		
Molecular Weight:	30540		
Gene ID:	10549		
NCBI Accession:	NP_006397		
UniProt:	Q13162		
Application Details			
Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.		
Storage:	4 °C,-20 °C		
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.		



## NCI-H292 95 72 55 36 28 ◀



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** PRDX4 Antibody (Center) (ABIN656035 and ABIN2845408) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PRDX4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

### **Western Blotting**

**Image 2.** PRDX4 Antibody (Center) (ABIN656035 and ABIN2845408) western blot analysis in NCI- cell line lysates (35  $\mu$ g/lane). This demonstrates the PRDX4 antibody detected the PRDX4 protein (arrow).

### **Western Blotting**

**Image 3.** Western blot analysis of PRDX4 (arrow) using rabbit polyclonal PRDX4 Antibody (Center) (ABIN656035 and ABIN2845408). 293 cell lysates (2  $\mu$ g/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PRDX4 gene.

Please check the product details page for more images. Overall 4 images are available for ABIN656035.