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Datasheet for ABIN3022012

anti-Peroxiredoxin 4 antibody (AA 38-271)

4 Images

Overview

Quantity:	100 µL
Target:	Peroxiredoxin 4 (PRDX4)
Binding Specificity:	AA 38-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 38-271 of human Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) (NP_006397.1).
Sequence:	WETEERPRTR EEECHFYAGG QVYPGEASRV SVADHSLHLS KAKISKPAPY WEGTAVIDGE FKELKLTDIR GKYLVFFFYP LDFTFVCPTE IIAFGDRLEE FR SINTEVVA CSVDSQFTHL AWINTPRRQG GLGPIRIPLL SDLTHQISKD YGVYLED SGH TLRGLFIIDD KGILRQITLN DLPVGRSVDE TLRLVQAFQY TDKHGVEVCPA GWKPGSETII PDPAGKLYF DKLN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

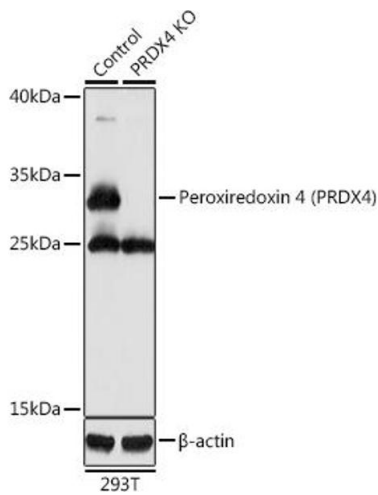
Target:	Peroxiredoxin 4 (PRDX4)
Alternative Name:	PRDX4 (PRDX4 Products)
Background:	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl 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.,PRDX4,AOE37-2,AOE372,HEL-S-97n,PRX-4,Cell Biology & Developmental Biology,PRDX4
Molecular Weight:	30 kDa
Gene ID:	10549
UniProt:	Q13162

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Restrictions:	For Research Use only

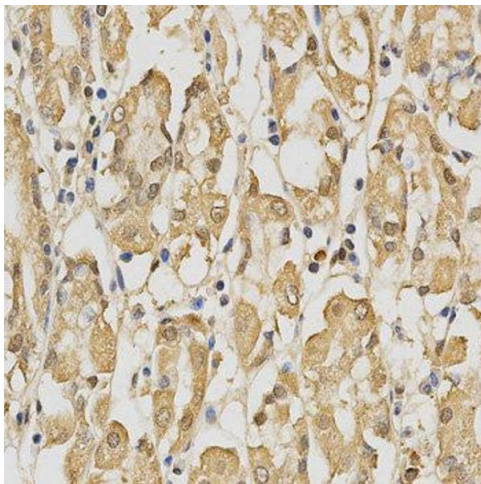
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



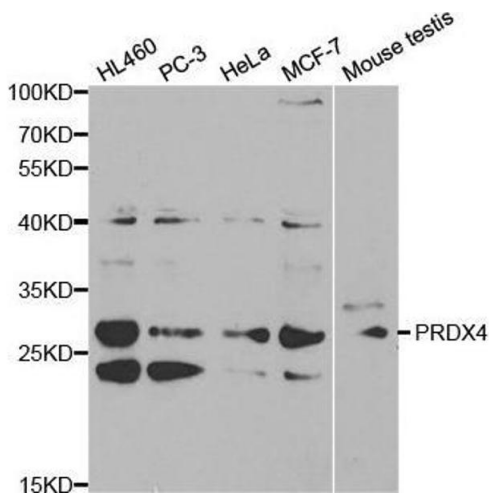
Western Blotting

Image 1. Western blot analysis of extracts from normal (control) and Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) knockout (KO) 293T cells, using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody (ABIN3022011, ABIN3022012, ABIN3022013 and ABIN1513410) 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: 5s.



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human stomach using PRDX4 antibody at dilution of 1:200 (x400 lens)



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PRDX4 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3022012.