

Datasheet for ABIN3022661
anti-Peroxiredoxin 2 antibody (AA 1-142)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	Peroxiredoxin 2 (PRDX2)
Binding Specificity:	AA 1-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peroxiredoxin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-142 of human Peroxiredoxin 2 (Peroxiredoxin 2 (PRDX2)) (NP_859428.1).
Sequence:	MASGNARIGK PAPDFKATAV VDGAFKEVKL SDYKGKYVVL FFYPLDFTFV CPTEIIAFSN RAEDFRKLGC EVLGVSVD SQ FTHLAWYEQG PKREVA AKLT PSGPSSVASW PLLNLWNLRF PIVKIMETLP PKSLRMMMTVI SI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	Peroxiredoxin 2 (PRDX2)
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Target Details

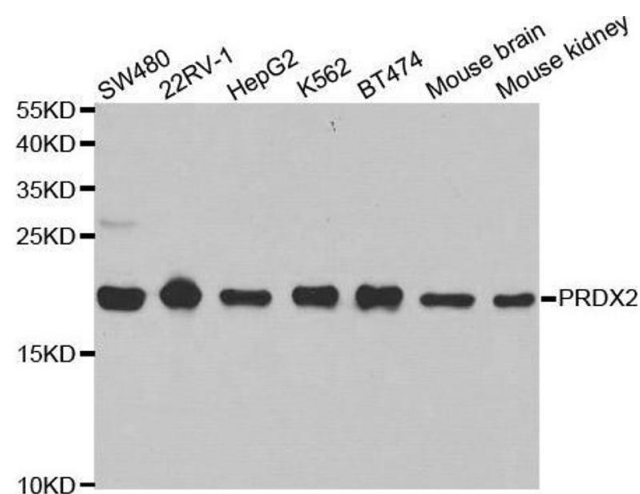
Alternative Name:	PRDX2 (PRDX2 Products)
Background:	<p>This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13.,PRDX2,HEL-S-2a,NKEF-</p> <p>B,NKEFB,PRP,PRX2,PRXII,PTX1,TDPX1,TPX1,TSA,Cancer,Cell Biology & Developmental Biology,Endocrine & Metabolism,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,PRDX2</p>
Molecular Weight:	15 kDa/21 kDa
Gene ID:	7001
UniProt:	P32119

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

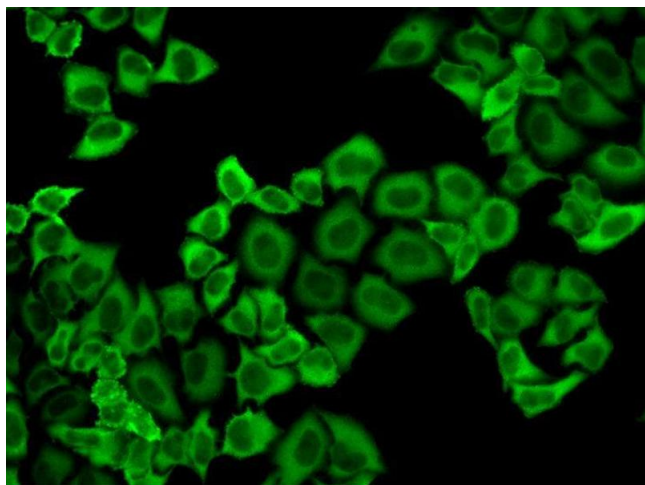
Handling

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.



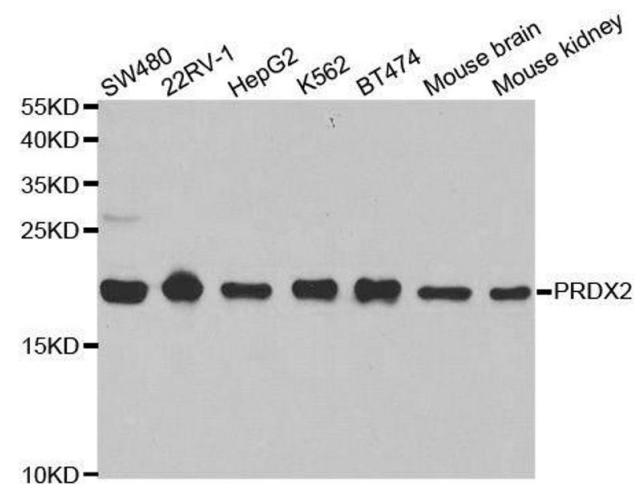
Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PRDX2 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using PRDX2 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PRDX2 antibody.