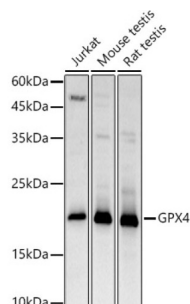
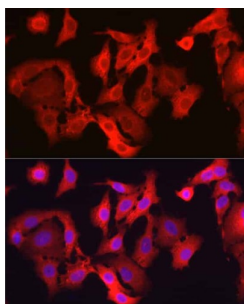


Glutathione Peroxidase 4 (GPX4) Antibody

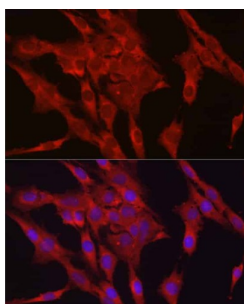
Catalogue No.: abx001579



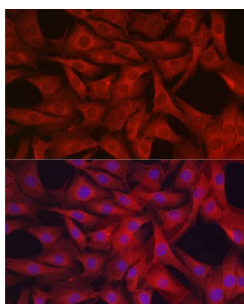
Western blot analysis of extracts of various cell lines using GPX4 Antibody (1/1000 dilution).



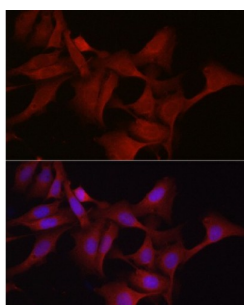
Immunofluorescence analysis of A-549 cells using GPX4 Antibody (1/200 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using GPX4 antibody (1/200 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using GPX4 antibody (1/200 dilution, 40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using GPX4 antibody (1/200 dilution, 40x lens). Blue: DAPI for nuclear staining.

Datasheet

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GPX4 Antibody is a Rabbit Polyclonal antibody against GPX4. Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme and the UGA codon is translated into a selenocysteine. Through alternative splicing and transcription initiation, rat produces proteins that localize to the nucleus, mitochondrion, and cytoplasm. In humans, experimental evidence for alternative splicing exists; alternative transcription initiation and the cleavage sites of the mitochondrial and nuclear transit peptides need to be experimentally verified. [provided by RefSeq, Jul 2008].

Target:	Glutathione Peroxidase 4 (GPX4)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human GPX4
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P36969 (UniProt , ExPASy)
Gene Symbol:	GPX4
GeneID:	2879
NCBI Accession:	NP_002076.2
KEGG:	hsa:2879
String:	9606.ENSP00000346103
Molecular Weight:	Calculated MW: 19 kDa/22 kDa Observed MW: 22 kDa

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Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only