



Rabbit Anti-GPX1 antibody

SL22273R

Product Name:	GPX1
Chinese Name:	谷胱甘肽过氧化酶1
Alias:	Glutathione peroxidase 1; Cellular glutathione peroxidase; GPx 1; GPx-1;GPX1_HUMAN; GSHPx-1; GSHPX1; MGC14399; MGC88245.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	IHC-P=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse GPX1:31-130/201
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene product belongs to the family of glutathione peroxidase, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. [provided by RefSeq].

Subunit:

Homotetramer. Interacts with MIEN1 (By similarity).

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the glutathione peroxidase family.

SWISS:

P11352

Gene ID:

14775

Database links:

[Entrez Gene: 461015](#)Chimpanzee

[Entrez Gene: 281209](#)Cow

[Entrez Gene: 2876](#)Human

[Entrez Gene: 706732](#)Macaque Monkey

[Entrez Gene: 14775](#)Mouse

[Entrez Gene: 100438450](#)Orangutan

[Entrez Gene: 397403](#)Pig

[Entrez Gene: 24404](#)Rat

[Omim: 138320](#)Human

[SwissProt: Q0EFA0](#)Chimpanzee

[SwissProt: P00435](#)Cow

[SwissProt: P07203](#)Human

[SwissProt: Q865R2](#)Macaque Monkey

[SwissProt: P11352](#)Mouse

[SwissProt: Q4AEI3](#)Orangutan

[SwissProt: Q8MJ14](#)Pig

[SwissProt: P04041](#)Rat

[Unigene: 76686](#)Human

[Unigene: 1090](#)Mouse

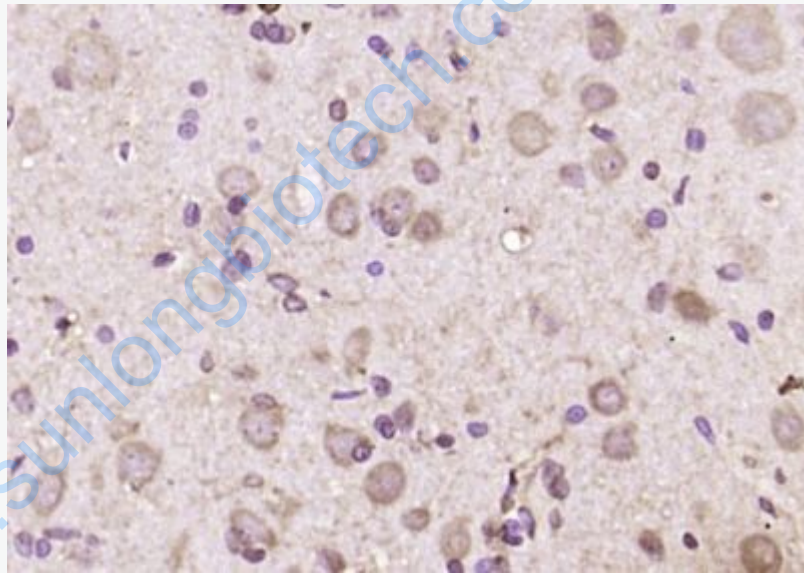
[Unigene: 11323](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

保护红细胞中血红蛋白的氧化分解.

Picture:



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GPX1) Polyclonal Antibody, Unconjugated (SL22273R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.