



Rabbit Anti-Peroxiredoxin-4 antibody

SL23510R

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| Product Name: | Peroxiredoxin-4 |
| Chinese Name: | 过氧化物还原酶4抗体 |
| Alias: | Antioxidant enzyme 372; Antioxidant enzyme AOE372; AOE37 2; AOE37-2; AOE372; EC 1.11.1.15; Peroxiredoxin IV; Peroxiredoxin-4; Peroxiredoxin4; PRDX 4; Prdx4; PRDX4_HUMAN; PRX 4; Prx IV; Prx-IV; PRX4; PrxIV; Thioredoxin dependent peroxide reductase A0372; Thioredoxin Peroxidase (Antioxidant Enzyme); Thioredoxin peroxidase; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372; TRANK. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep, |
| Applications: | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 27kDa |
| Cellular localization: | cytoplasmicSecretory protein |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Peroxiredoxin-4:31-130/271 |
| 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: | 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. [provided by RefSeq, Jul 2008]

Function:

Probably involved in redox regulation of the cell. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

Subcellular Location:

Cytoplasm. Secreted.

Similarity:

Belongs to the ahpC/TSA family.
Contains 1 thioredoxin domain.

SWISS:

Q13162

Gene ID:

10549

Database links:

[Entrez Gene: 281999](#)Cow

[Entrez Gene: 10549](#)Human

[Entrez Gene: 53381](#)Mouse

[Entrez Gene: 85274](#)Rat

[Omim: 606506](#)Human

[SwissProt: Q9BGI2](#)Cow

[SwissProt: Q13162](#)Human

[SwissProt: O08807](#)Mouse

[SwissProt: Q9Z0V5](#)Rat

[Unigene: 83383](#)Human

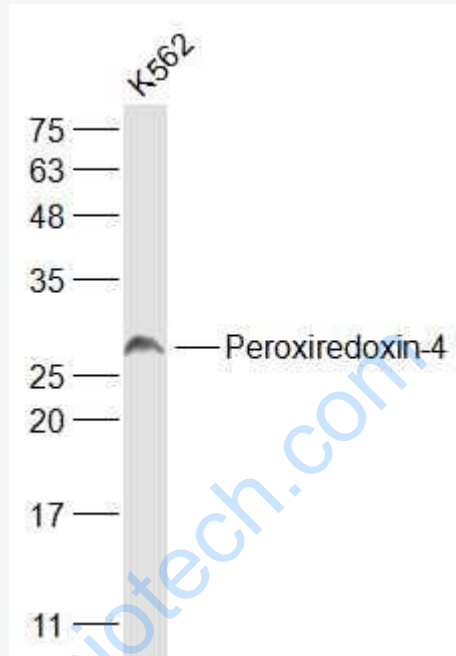
[Unigene: 247542](#)Mouse

[Unigene: 17958](#)Rat

Important Note:

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

Picture:



Sample:

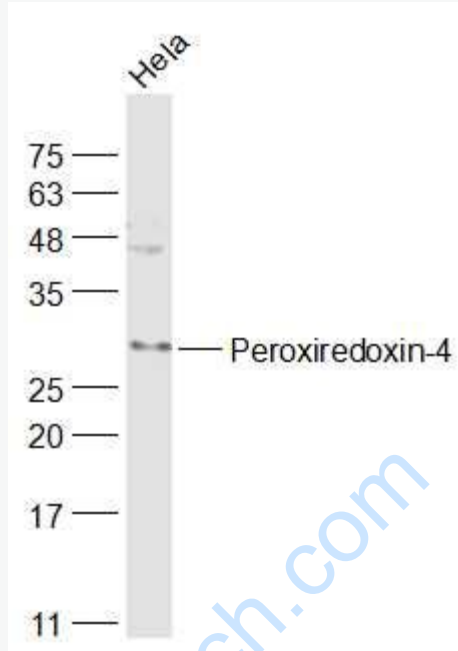
K562(Human) Cell Lysate at 30 ug

Primary: Anti-Peroxiredoxin-4 (SL23510R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD



Sample:

HeLa(Human) Cell Lysate at 30 ug

Primary: Anti-Peroxiredoxin-4? (SL23510R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 27 kD

Observed band size: 27 kD