SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Peroxiredoxin-4 antibody

Catalog Number: SL23510R

FOR RESEARCH USE ONLY

[DATASHEET]

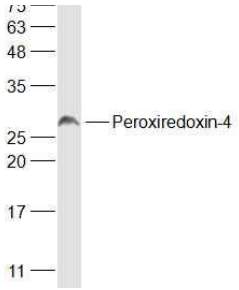
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Peroxiredoxin-4
Immunogen:	KLH conjugated synthetic peptide derived from human Peroxiredoxin-4: 31-130/271
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	27kDa
Subcellular Location:	cytoplasmic Secretory protein
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. [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. **Database links:**

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

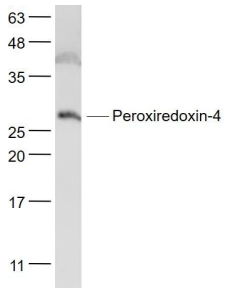
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	Entrez Gene: 281999 Cow **Entrez Gene:** 10549 Human **Entrez Gene:** 53381 Mouse **Entrez Gene:** 85274 Rat Omim: 606506 Human **SwissProt:** Q9BGI2 Cow **SwissProt:** Q13162 Human **SwissProt:** O08807 Mouse **SwissProt:** Q9Z0V5 Rat **Unigene:** 83383 Human **Unigene:** 247542 Mouse **Unigene:** 17958 Rat

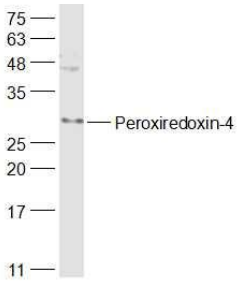
[VALIDATION IMAGES]



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:
Liver (Mouse) Lysate at 40 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

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