SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Peroxiredoxin-6 antibody

Catalog Number: SL23508R

FOR RESEARCH USE ONLY

[DATASHEET]

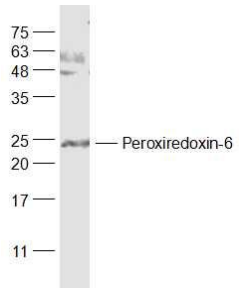
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Peroxiredoxin-6
Immunogen:	KLH conjugated synthetic peptide derived from human Peroxiredoxin-6: 151-224/224
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse,Rat(predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	25kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq, Jul 2008] **Function:** Involved in redox regulation of the cell. Can reduce H(2)O(2) and short chain organic, fatty acid, and phospholipid hydroperoxides. May play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. **Subcellular Location:** Cytoplasm. Lysosome. Cytoplasmic vesicle. Also

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

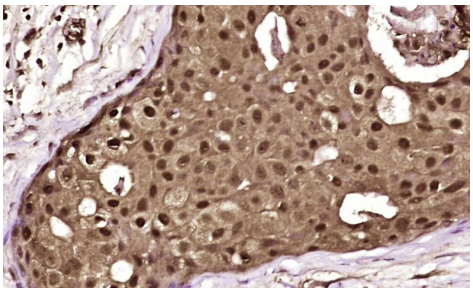
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	found in lung secretory organelles. **Similarity:** Belongs to the ahpC/TSA family. Rehydrin subfamily. Contains 1 thioredoxin domain. **Database links:** **Entrez Gene:** 9588 Human **Entrez Gene:** 11758 Mouse **Entrez Gene:** 94167 Rat Omim: 602316 Human **SwissProt:** P30041 Human **SwissProt:** O08709 Mouse **SwissProt:** O35244 Rat **Unigene:** 120 Human **Unigene:** 186185 Mouse **Unigene:** 42 Rat

[VALIDATION IMAGES]



Sample:
Lung (Rat) Lysate at 40 ug
Primary: Anti-Peroxiredoxin-6 (SL23508R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 25 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast cancer); 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 (Peroxiredoxin-6) Polyclonal Antibody, Unconjugated (SL23508R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

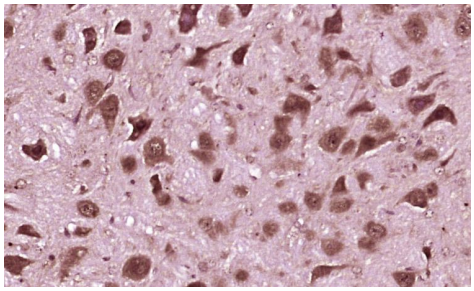
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Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Peroxiredoxin-6) Polyclonal Antibody, Unconjugated (SL23508R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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