

Product datasheet for TA380308S

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Peroxiredoxin 4 (PRDX4) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: ELISA, ICC/IF, IHC, WB

Recommended Dilution: WB.1:500 - 1:2000

IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200

ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration

based on your specific assay requirements.

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: lgG

Clonality: Polyclonal

Formulation: Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

Store at -20°C. Avoid freeze / thaw cycles. Storage:

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 31kDa

Gene Name: peroxiredoxin 4

Database Link: Entrez Gene 10549 Human

Q13162

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

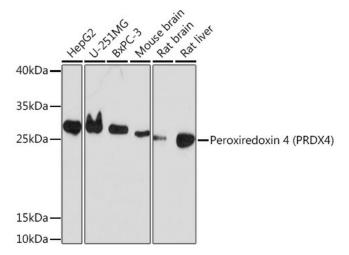
found to play a regulatory role in the activation of the transcription factor NF-kappaB.

Synonyms: AOE37-2; PRX-4; Prx-IV

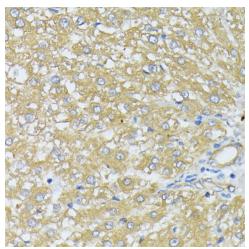




Product images:

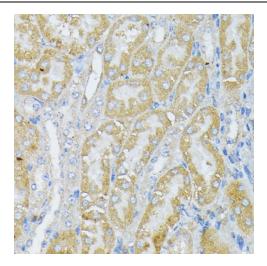


Western blot analysis of various lysates using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) Rabbit pAb ([TA380308]) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

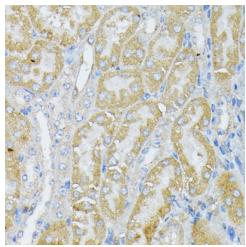


Immunohistochemistry analysis of paraffinembedded Rat liver using Peroxiredoxin 4 (PRDX4) Rabbit pAb ([TA380308]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

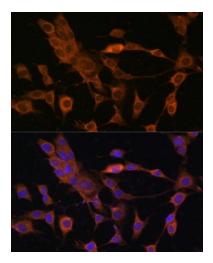




Immunohistochemistry analysis of paraffinembedded Human liver cancer using Peroxiredoxin 4 (PRDX4) Rabbit pAb ([TA380308]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse kidney using Peroxiredoxin 4 (PRDX4) Rabbit pAb ([TA380308]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using Peroxiredoxin 4 (PRDX4) Rabbit pAb ([TA380308]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.