

Peroxiredoxin 4 (PRDX4) Antibody

CAB18308

Description

This Peroxiredoxin 4 (PRDX4) Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB18308
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	PRX-4, AOE372, AOE37-2, HEL-S-97n, Peroxiredoxin 4 (PRDX4)
Clone:	-
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	-
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	10549
Uniprot:	AB_2862080
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	30kDa
Calculated MW:	31kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

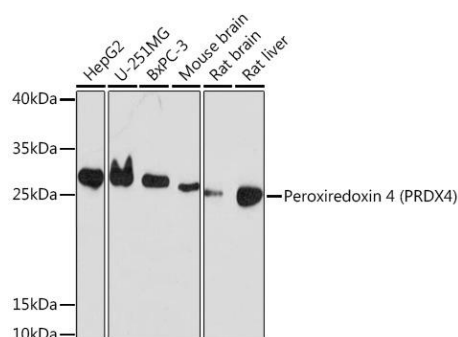
Positive Sample: HepG2, U-251MG, BxPC-3, Mouse brain, Rat brain, Rat liver

Recommended Dilutions:

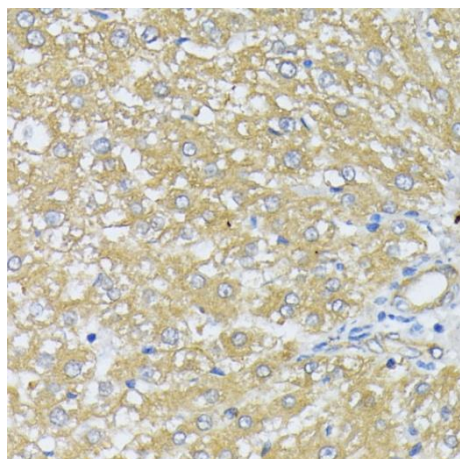
WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

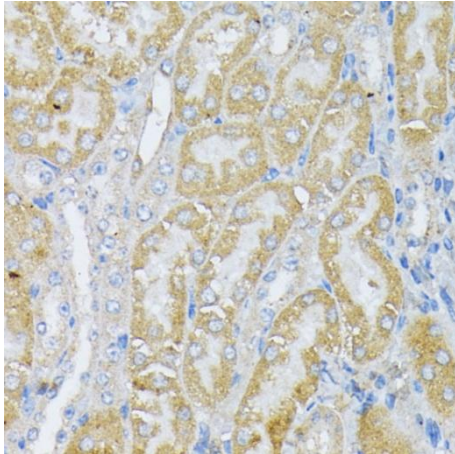
Validation Data



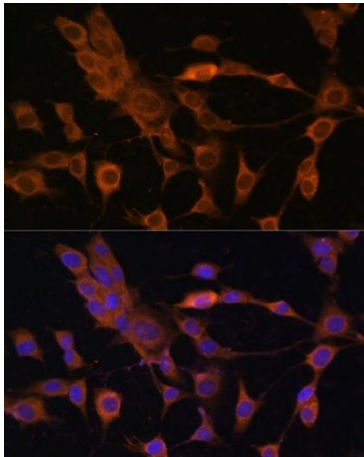
Western blot analysis of various lysates using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) Rabbit pAb (CAB18308) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Rat liver using Peroxiredoxin 4 (PRDX4) Rabbit pAb (CAB18308) 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 paraffin-embedded Mouse kidney using Peroxiredoxin 4 (PRDX4) Rabbit pAb (CAB18308) 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 (CAB18308) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.