

Peroxiredoxin 3 (PRDX3) Monoclonal Antibody

CAB2398

Description

This Peroxiredoxin 3 (PRDX3) Monoclonal 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:	CAB2398
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	AOP1, MER5, AOP-1, PPPCD, SP-22, HBC189, SCAR32, PRO1748, prx-III, Peroxiredoxin 3 (PRDX3)
Clone:	ARC0747
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse

Antibody Data

Gene ID:	10935
Uniprot:	AB_2863001
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	25kDa
Calculated MW:	28kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

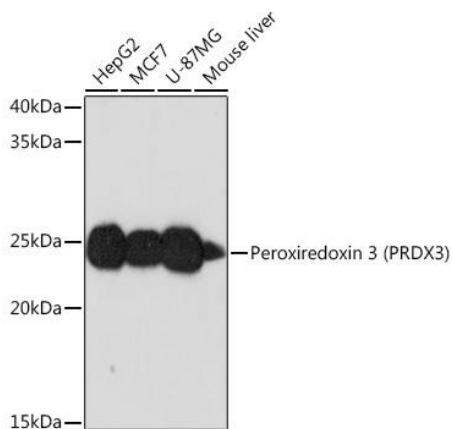
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: Hep G2, MCF7, U-87MG, Mouse liver

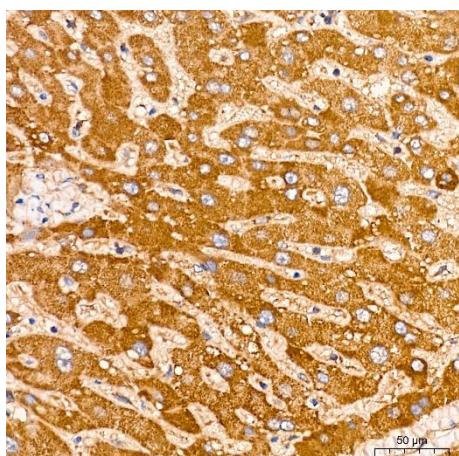
Recommended Dilutions:	WB	1:500 - 1:1000
	IHC-P	1:50 - 1:200
	IF/ICC	1:50 - 1:200
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

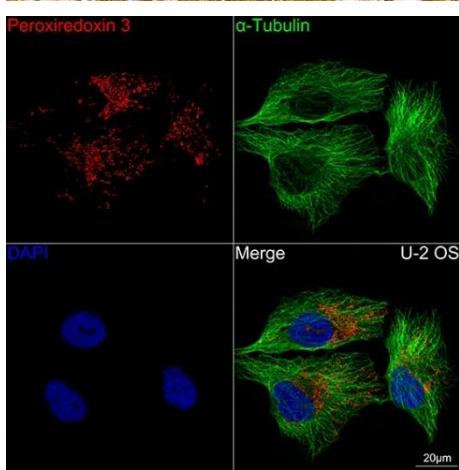
Validation Data



Western blot analysis of various lysates using Peroxiredoxin 3 (PRDX3) Rabbit mAb (CAB2398) at 1:1000 dilution incubated overnight at 4°C. 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 Human liver tissue using Peroxiredoxin 3 (PRDX3) Rabbit mAb (CAB2398) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of U-2 OS cells using Peroxiredoxin 3 (PRDX3) Rabbit mAb (CAB2398, at dilution of 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (CABC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.