

Peroxiredoxin-3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_006784.1

Catalog No. A304-744A GeneID 10935

Lot No. A304-744A-1



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to Peroxiredoxin-3 immobilized on solid support.

The epitope recognized by A304-744A maps to a region between residue 206 to 256 of human Peroxiredoxin 3 using the numbering given in entry NP_006784.1 (GeneID 10935).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:10,000 - 1:25,000

Immunoprecipitation 2 - 10 µg/mg lysate

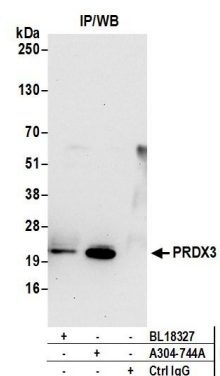
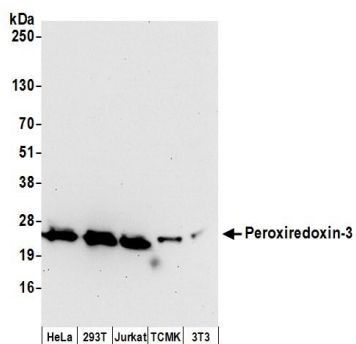
Immunohistochemistry 1:1,000 - 1:5,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

APPLICATION NOTES Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

IHC HUMAN CONTROLS Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE. Breast Carcinoma, Colon Carcinoma, Ovarian Carcinoma, Prostate Carcinoma

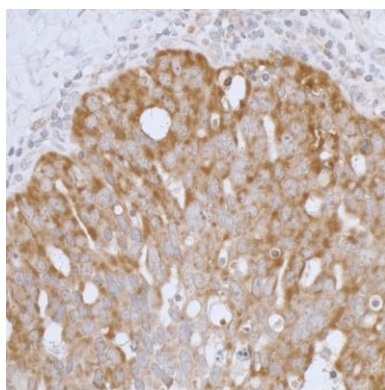
ADDITIONAL INFO <https://www.bethyl.com/product/A304-744A>
Use the link above to view SDS, a current list of citations, and other product specific information.
IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human and mouse Peroxiredoxin-3 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Peroxiredoxin-3 antibody A304-744A (lot A304-744A-1) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of human Peroxiredoxin-3 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Peroxiredoxin-3 antibody A304-744A (lot A304-744A-1) used for IP at 6 µg per reaction. Peroxiredoxin-3 was also immunoprecipitated by rabbit anti-Peroxiredoxin-3 antibody BL18327. For blotting immunoprecipitated Peroxiredoxin-3, A304-744A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human Peroxiredoxin-3 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-Peroxiredoxin-3 (Cat. No. A304-744A Lot1) used at a dilution of 1:5,000 (0.2µg/ml). *Detection:* DAB