

# [KO Validated] Peroxiredoxin 4 (PRDX4) Rabbit pAb

Catalog No.: A1486 **KO Validated**

## Basic Information

### Observed MW

28kDa

### Calculated MW

31kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

10549

### Swiss Prot

Q13162

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 38-271 of human Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) (NP\_006397.1).

### Synonyms

PRX-4; AOE372; AOE37-2; HEL-S-97n; 4)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

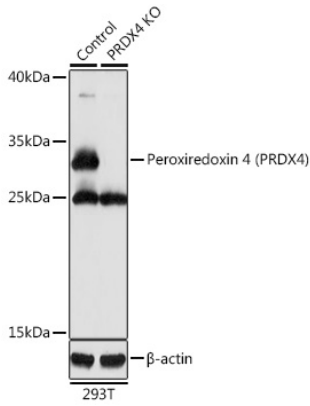
Affinity purification

### Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of extracts from normal (control) and Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) knockout (KO) 293T cells, using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody (A1486) at 1:1000 dilution.

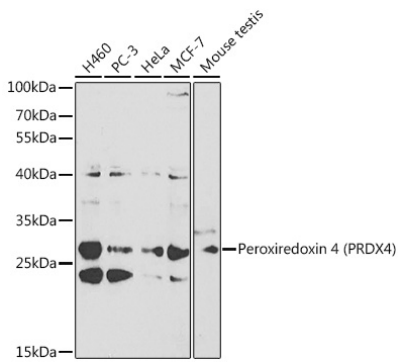
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



Western blot analysis of extracts of various cell lines, using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody (A1486) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.