# [KO Validated] PRDX3 Rabbit Polyclonal Antibody

**CAB18061**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

25kDa

**Calculated MW:**

25kDa/27kDa

**Applications:**

WB IHC IF

**Reactivity:**

Human, Mouse, Rat

## Antibody Information

**Recommended dilutions:**
WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Source:**
Rabbit

**Isotype:**
IgG

**Purification:**
Affinity purification

## Protein Background

This gene encodes a mitochondrial protein with antioxidant function. The protein is similar to the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase, and it can rescue bacterial resistance to alkylhydroperoxide in E. coli that lack the C22 subunit. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologs suggest that these genes consist of a family that is responsible for the regulation of cellular proliferation, differentiation and antioxidant functions. This family member can protect cells from oxidative stress, and it can promote cell survival in prostate cancer. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 3, 13 and 22.

## Immunogen information

**Gene ID:**
10935

**Uniprot**
P30048

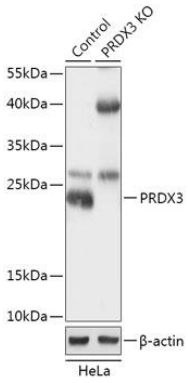
**Synonyms:**
PRDX3; AOP-1; AOP1; HBC189; MER5; PRO1748; SP-22; prx-III

**Immunogen:**
A synthetic peptide of human PRDX3

**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

 info@assaygenie.com www.assaygenie.com

**Product Images**




Western blot analysis of extracts from normal (control) and PRDX3 knockout (KO) HeLa cells, using PRDX3 antibody (CAB18061) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1min.