[KO Validated] Peroxiredoxin 2 (PRDX2) Rabbit pAb

Catalog No.: A1919 KO Validated

Basic Information

Observed MW
22kDa

Calculated MW
22kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

Background

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13.

Recommended Dilutions

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
7001

Swiss Prot
P32119

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-142 of human Peroxiredoxin 2 (Peroxiredoxin 2 (PRDX2)) (NP_859428.1).

Synonyms
PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a; 2)

Contact

www.abclonal.com

Product Information

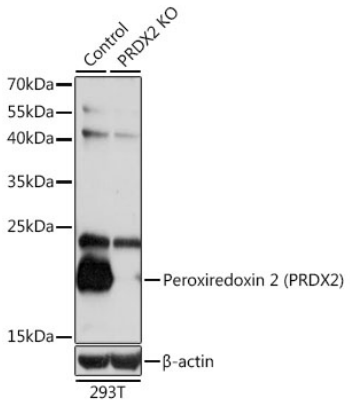
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

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

Validation Data



Western blot analysis of extracts from normal (control) and Peroxiredoxin 2 (Peroxiredoxin 2 (PRDX2)) knockout (KO) 293T cells, using Peroxiredoxin 2 (Peroxiredoxin 2 (PRDX2)) antibody (A1919) 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.