Leader in Biomolecular Solutions for Life Science

# Peroxiredoxin 5 (PRDX5) Rabbit pAb

www.abclonal.com

ABclomal

Catalog No.: A6329

1 Publications

## **Basic Information**

## **Observed MW**

17kDa

### **Calculated MW**

22kDa

#### Category

Polyclonal Antibody

### **Applications**

WB, IF/ICC, ELISA

### **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 interacts with peroxisome receptor 1 and plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites is thought to result in transcript variants that use different in-frame translational start codons to generate isoforms that are targeted to the mitochondrion (isoform L) or peroxisome/cytoplasm (isoform S). Multiple related pseudogenes have been defined for this

# **Recommended Dilutions**

1:500 - 1:1000 WB

IF/ICC 1:50 - 1:200

# **Immunogen Information**

**Gene ID Swiss Prot** 25824 P30044

### **Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human Peroxiredoxin 5 (PRDX5) (NP 036226.2).

## **Synonyms**

PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBBI10; AOEB166; HEL-S-55; Peroxiredoxin 5 (PRDX5)

# **Contact**

• www.abclonal.com

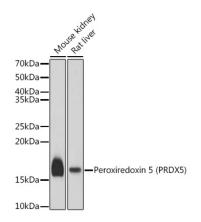
# **Product Information**

**Purification** Source Isotype Rabbit IgG Affinity purification

### Storage

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

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.



Western blot analysis of extracts of various cell lines, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (A6329) 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 Mouse lung, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (A6328) at 1:1000 dilution.

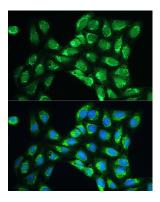
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

70kDa Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

50kDa Detection: ECL Basic Kit (RM00020).

35kDa Exposure time: 180s.

Peroxiredoxin 5 (PRDX5)



10kDa

Immunofluorescence analysis of U2OS cells using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) Rabbit pAb (A6329) at dilution of 1:100. Blue: DAPI for nuclear staining.