

## Product datasheet for **TA380310**

### Peroxiredoxin 5 (PRDX5) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) (NP_036226.1).
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	12kDa/17kDa/22kDa
Gene Name:	peroxiredoxin 5
Database Link:	<a href="#">Entrez Gene 25824 Human P30044</a>



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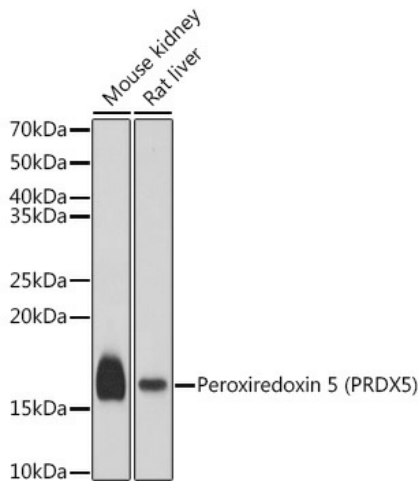
**Background:**

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene.

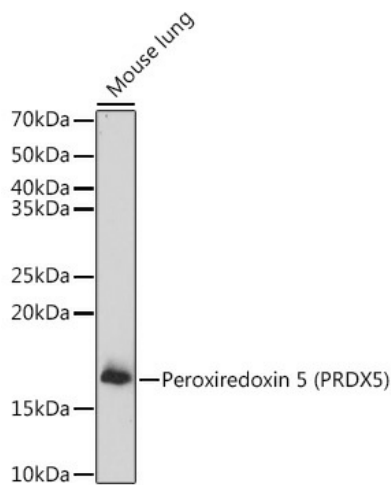
**Synonyms:**

ACR1; AOEB166; B166; MGC117264; MGC142283; MGC142285; PLP; PMP20; PRDX6; Prx-V; PRXV; SBB110

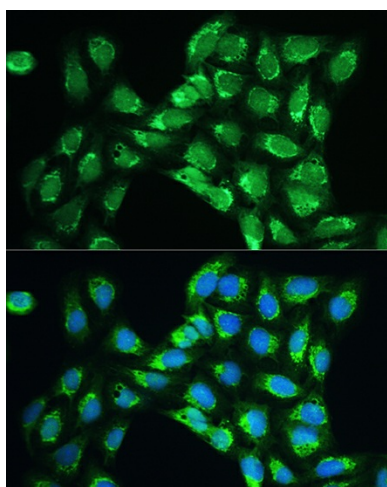
**Product images:**



Western blot analysis of extracts of various cell lines, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (TA380310) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 5s.



Western blot analysis of extracts of Mouse lung, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (TA380310) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) Rabbit pAb (TA380310) at dilution of 1:100. Blue: DAPI for nuclear staining.