

## PRDX4

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 31kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human PRDX4

**Storage Buffer:**

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

**Synonym:**

AOE37-2; PRX-4;

**Catalog #:** A1486

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 10549

**Isotype:** IgG

**Swiss Prot:** Q13162

**Purity:** Affinity purification

For research use only.

**Background:**

PRDX4(Peroxiredoxin-4) is also named as AOE37-2, Prx-IV and belongs to the AhpC/TSA family. PRDX4 is associated with acrosome formation during rat spermatogenesis and has a protective role in the male reproductive tract, because the phenotype of mice lacking this isoform includes testicular atrophy and increased sperm DNA damage(PMID:20864641). It is initially synthesized as a membrane-binding 31-kDa protein and processed into a 27-kDa secretory form and is discarded with the residual bodies(PMID:19208552). PRDX4 is a pentamer of dimers(PMID:23025503). This antibody is specific to PRDX4.

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