

## Product datasheet for **TA321764**

### Peroxiredoxin 4 (PRDX4) Rabbit Polyclonal Antibody

#### Product data:

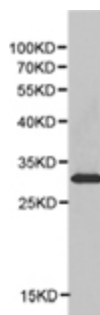
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 38-271 amino acids of human peroxiredoxin 4
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	peroxiredoxin 4
Database Link:	<a href="#">NP_006397</a> <a href="#">Entrez Gene 53381 MouseEntrez Gene 85274 RatEntrez Gene 10549 Human Q13162</a>
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. 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. PRDX4 is a pentamer of dimers. This antibody is specific to PRDX4.
Synonyms:	AOE37-2; AOE372; HEL-S-97n; PRX-4



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Protein Families: Druggable Genome

### Product images:



Predicted band size: 31 kDa. Positive control: HepG2 cell lysate. Recommended dilution: 1/500-2000. (Gel: 10%SDS-PAGE Lysate: 40 ug Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)