

For Research Use Only

PRDX4 Polyclonal antibody

Catalog Number: 55283-1-AP



Basic Information

Catalog Number:

55283-1-AP

Size:

170 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_006406

GeneID (NCBI):

10549

UNIPROT ID:

Q13162

Full Name:

peroxiredoxin 4

Calculated MW:

31 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human, mouse

Background Information

PRDX4 (Peroxi-redoxin-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.

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data