

For Research Use Only

PRDX4 Polyclonal antibody

Catalog Number: 55283-1-AP



Basic Information

Catalog Number: 55283-1-AP	GenBank Accession Number: NM_006406	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10549	
Source: Rabbit	Full Name: peroxiredoxin 4	
Isotype: IgG	Calculated MW: 31 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human, mouse

Background Information

PRDX4 (Peroxiredoxin-4) is also named as AOE37-2, Pxx-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

*** 20ul sizes contain 0.1% BSA

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