

For Research Use Only

GPX5 Polyclonal antibody, PBS Only

Catalog Number:18731-1-PBS



Basic Information

Catalog Number:

18731-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001509

GeneID (NCBI):

2880

UNIPROT ID:

O75715

Full Name:

glutathione peroxidase 5 (epididymal androgen-related protein)

Calculated MW:

25 kDa

Observed MW:

22-28 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

Background Information

GPX5 belongs to the glutathione peroxidase family. GPX5 protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. Catalytic the reaction: $2 \text{ glutathione} + \text{H}_2\text{O}_2 = \text{glutathione disulfide} + 2 \text{H}_2\text{O}$. GPX5 constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids. GPX5 has a calculated molecular mass of 25 kDa and apparent molecular mass of 22-28 kDa due to the cleavage of signal peptide and glycosylation.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

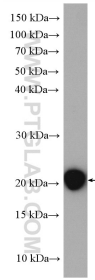
For technical support and original validation data for this product please contact:

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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 18731-1-AP (GPX5 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 18731-1-PBS in a different storage buffer formulation.