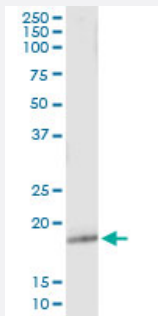


GPX5 monoclonal antibody (M02), clone 3B9

Catalog # H00002880-M02

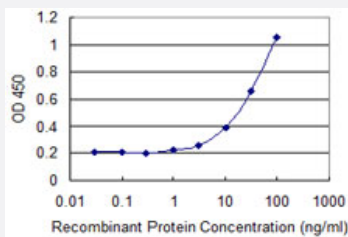
Size 100 ug

Applications



Immunoprecipitation

Immunoprecipitation of GPX5 transfected lysate using anti-GPX5 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GPX5 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GPX5 is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GPX5.
Immunogen	GPX5 (NP_001500, 122 a.a. ~ 221 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VRPGGGFVPSFQLFEKGDVNGEKEQKVFSFLKHSCPHPSEILGTFKSIWDPVKVHDIRWNFEK FLVGPDGIPVMRWSHRATVSSVKTDILAYLKQFKTK
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence

Mouse (74); Rat (75)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

Immunoprecipitation of GPX5 transfected lysate using anti-GPX5 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GPX5 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

Gene Info — GPX5

Entrez GeneID[2880](#)**GeneBank Accession#**[NM_001509](#)**Protein Accession#**[NP_001500](#)**Gene Name**

GPX5

Gene Alias

-

Gene Description

glutathione peroxidase 5 (epididymal androgen-related protein)

Omim ID[603435](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene belongs to the glutathione peroxidase family. It is specifically expressed in the epididymis in the mammalian male reproductive tract, and is androgen-regulated. Unlike mRNAs for other characterized glutathione peroxidases, this mRNA does not contain a selenocysteine (UGA) codon. Thus, the encoded protein is selenium-independent, and has been proposed to play a role in protecting the membranes of spermatozoa from the damaging effects of lipid peroxidation and/or preventing premature acrosome reaction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000017919|epididymal androgen-related protein|epididymal secretory glutathione peroxidase|glutathione peroxidase 5

Pathway

- [Arachidonic acid metabolism](#)
- [Glutathione metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Lung Neoplasms](#)