Datasheet for ABIN6998025

anti-GPX5 antibody (AA 22-221)

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Overview

Quantity:	200 µL
Target:	GPX5
Binding Specificity:	AA 22-221
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Glutathione Peroxidase 5 (GPX5)
Immunogen:	Recombinant Glutathione Peroxidase 5 (GPX5) corresdonding to Thr22~Ile221 (Accession # P30710)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against GPX5. It has been selected for its ability to recognize GPX5 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

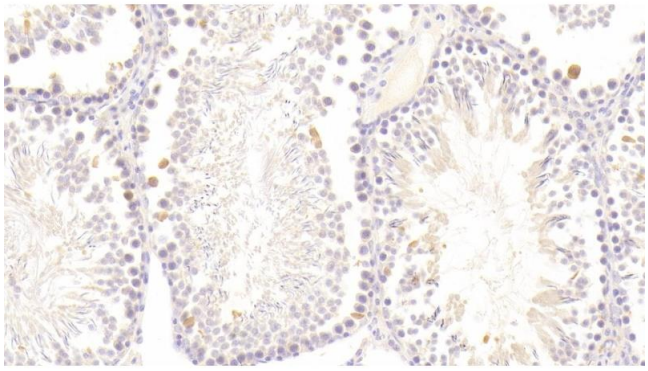
Target:	GPX5
Alternative Name:	Glutathione Peroxidase 5 (GPX5 Products)
Background:	GSHPx-5, Epididymal Androgen Related Protein, Epididymal secretory glutathione peroxidase, Glutathione peroxidase 5, Epididymis-specific glutathione peroxidase-like protein
Pathways:	Thyroid Hormone Synthesis

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:370-1500 Immunohistochemistry: 5-20 µg/mL 1:37-150 Immunocytochemistry: 5-20 µg/mL 1:37-150 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

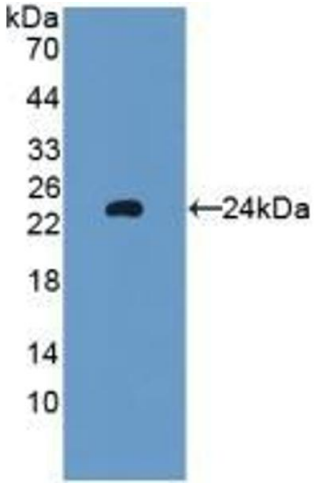
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Immunohistochemistry

Image 1. Detection of GPX5 in Rat Testis Tissue using Polyclonal Antibody to Glutathione Peroxidase 5 (GPX5)



Western Blotting

Image 2. Detection of Recombinant GPX5, Rat using Polyclonal Antibody to Glutathione Peroxidase 5 (GPX5)