

Datasheet for ABIN750613  
**anti-GPX4 antibody (AA 101-197)**



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## Overview

Quantity:	100 µL
Target:	GPX4
Binding Specificity:	AA 101-197
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPX4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glutathione Peroxidase 4
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Pig
Purification:	Purified by Protein A.

## Target Details

Target:	GPX4
Alternative Name:	GPX4 ( <a href="#">GPX4 Products</a> )
Background:	Synonyms: Glutathione peroxidase 4, GPX 4, GPX-4, GPX4, GPX4_HUMAN, GSHPx-4, MCSP,

## Target Details

mitochondrial, PHGPx, Phospholipid hydroperoxidase, Phospholipid hydroperoxide glutathione peroxidase, Phospholipid hydroperoxide glutathione peroxidase, Phospholipid hydroperoxide glutathione peroxidase mitochondrial, snGPx, snPHGPx, Sperm nucleus glutathione peroxidase. Background: Glutathione peroxidases (Gpxs) are ubiquitously expressed proteins which catalyze the reduction of hydrogen peroxides and organic hydroperoxides by glutathione. There are several isoforms which differ in their primary structure and localization. The classical cytosolic/mitochondrial GPx1 (cGPx) is a selenium-dependent enzyme, first of the GPx family to be discovered. GPx2, also known as gastrointestinal GPx (GI-GPx), is an intracellular enzyme expressed only at the epithelium of the gastrointestinal tract. Extracellular plasma GPx (pGPx or GPx3) is mainly expressed by the kidney from where it is released into the blood circulation. Phospholipid hydroperoxide GPx4 (PH-GPx) expressed in most tissues, can reduce many hydroperoxides including hydroperoxides integrated in membranes, hydroperoxy lipids in low density lipoprotein or thymine. All mammalian GPx family members, except for the recently described Cys containing GPx3 and epididymis-specific secretory GPx (eGPx or GPx5) isoforms, possess selenocysteine at the active site.

Gene ID: 2879

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 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:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months