

Datasheet for ABIN653263

**anti-Glutathione Peroxidase 1 antibody (C-Term)****7** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	Glutathione Peroxidase 1 (GPX1)
Binding Specificity:	AA 164-193, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Peroxidase 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GPX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-193 amino acids from the C-terminal region of human GPX1.
Clone:	RB22987
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Glutathione Peroxidase 1 (GPX1)
Alternative Name:	GPX1 ( <a href="#">GPX1 Products</a> )

## Target Details

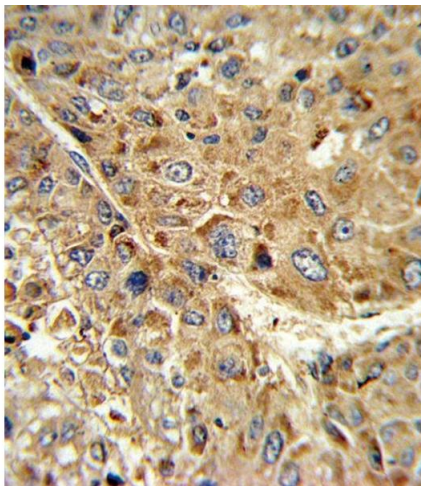
Background:	GPX1 encodes a member of the glutathione peroxidase family. Glutathione peroxidase functions in the detoxification of hydrogen peroxide, and is one of the most important antioxidant enzymes in humans. This protein is one of only a few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by UGA, that normally functions as a translation termination codon. In addition, this protein is characterized in a polyalanine sequence polymorphism in the N-terminal region, which includes three alleles with five, six or seven alanine (ALA) repeats in this sequence.
Molecular Weight:	22088
Gene ID:	2876
NCBI Accession:	<a href="#">NP_000572</a> , <a href="#">NP_958799</a>
UniProt:	<a href="#">P07203</a>
Pathways:	<a href="#">Thyroid Hormone Synthesis</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Cell RedoxHomeostasis</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:2000. WB: 1:2000. WB: 1:1000. IHC-P: 1:10~50. FC: 1:25. FC: 1:25
Restrictions:	For Research Use only

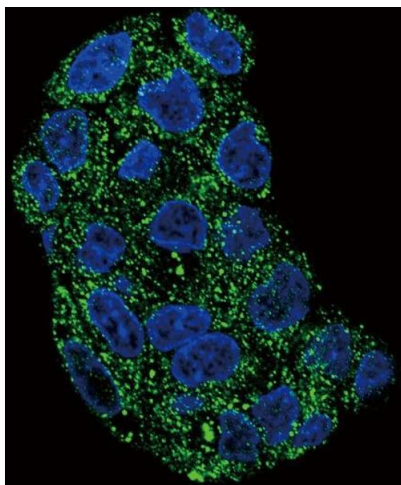
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



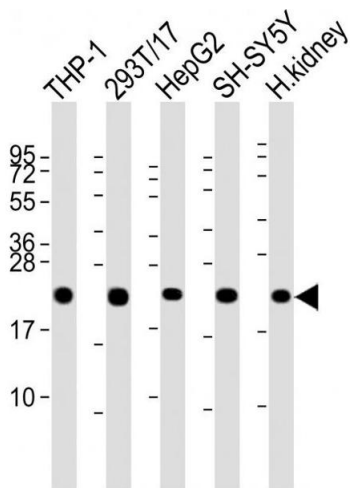
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GPX1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of GPX1 Antibody (C-term) (ABIN653263 and ABIN2842782) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blotting

**Image 3.** All lanes : Anti-GPX1 Antibody (C-term) at 1:2000 dilution Lane 1: THP-1 whole cell lysate Lane 2: 293T/17 whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: SH-SY5Y whole cell lysate Lane 5: human kidney lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN653263.