

Datasheet for ABIN2777110

anti-Glutathione Peroxidase 2 antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Glutathione Peroxidase 2 (GPX2)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Dog, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutathione Peroxidase 2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GPX2
Sequence:	GGGYQPTFTL VQKCEVNGQN EHPVFAYLKD KLPYPYDDPF SLMTDPKLII
Predicted Reactivity:	Cow: 100%, Dog: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rat: 100%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against GPX2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Glutathione Peroxidase 2 (GPX2)
Alternative Name:	GPX2 (GPX2 Products)
Background:	This gene is a member of the glutathione peroxidase family and encodes a selenium-dependent

Target Details

glutathione peroxidase that is one of two isoenzymes responsible for the majority of the glutathione-dependent hydrogen peroxide-reducing activity in the epithelium of the gastrointestinal tract. Studies in knockout mice indicate that mRNA expression levels respond to luminal microflora, suggesting a role of the ileal glutathione peroxidases in preventing inflammation in the GI tract.

Alias Symbols: GI-GPx, GPRP, GSHPX-GI, GSHPx-2, GPx-2, GPRP-2, GPx-GI

Protein Interaction Partner: TP53, PSMB2, MYC, GPX2,

Protein Size: 190

Molecular Weight: 22 kDa

Gene ID: 2877

NCBI Accession: [NM_002083](#), [NP_002074](#)

UniProt: [P18283](#)

Pathways: [Thyroid Hormone Synthesis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 190 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-GPX2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate GPX2 is supported by BioGPS gene expression data to be expressed in HepG2

Western Blotting

Image 2. WB Suggested Anti-GPX2 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500 Positive Control: HepG2 cell lysate GPX2 is supported by BioGPS gene expression data to be expressed in HepG2