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anti-Glutathione Peroxidase 2 antibody (Middle Region)

Images



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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	

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

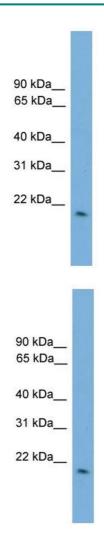
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 190 AA	
Restrictions:	For Research Use only	

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