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Product datasheet for TA308741

Glutathione Peroxidase 2 (GPX2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	IHC:1:100-1:1000; WB:1:100-1:1000
Reactivity:	Human (Predicted: Dog, Pig, Rabbit, Chimpanzee, Bovine, Rhesus Monkey, X. tropicalis)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region within amino acids 1 and 54 of GPX2
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	glutathione peroxidase 2
Database Link:	NP_002074 Entrez Gene 480356 DogEntrez Gene 2877 Human P18283
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. [provided by RefSeq]
Synonyms:	GI-GPx; GPRP; GPRP-2; GPx-2; GPx-GI; GSHPx-2; GSHPX-GI

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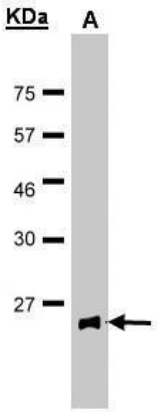
Note: Seq homology of immunogen across species: Xenopus Tropicalis (80%), Dog (100%), Pig (100%), Rabbit (100%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (100%)

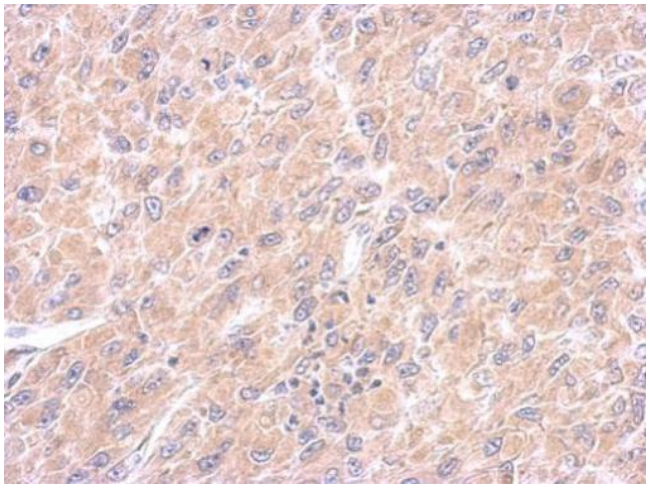
Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Glutathione metabolism

Product images:



Sample (30 ug of whole cell lysate). A:MOLT4. 15% SDS PAGE. TA308741 diluted at 1:100



Immunohistochemical analysis of paraffin-embedded U87 xenograft, using GPX2 (TA308741) antibody at 1:500 dilution.