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Datasheet for ABIN1049502

anti-Glutathione Peroxidase 1 antibody (AA 53-67)

1 Image

Overview

Quantity:	100 µg
Target:	Glutathione Peroxidase 1 (GPX1)
Binding Specificity:	AA 53-67
Reactivity:	Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Glutathione Peroxidase 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Gpx1 (mouse aa53-67)
Immunogen:	Peptide with sequence C-DYTEMNDLQKRLGPR, from the internal region of the protein sequence according to NP_032186.2.
Sequence:	DYTEMNDLQK RLGPR
Isotype:	IgG
Cross-Reactivity:	Cow, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Glutathione Peroxidase 1 (GPX1)
Alternative Name:	Gpx1 (GPX1 Products)
Background:	Gpx1, glutathione peroxidase 1, A1195024, AL033363, CGPx, GPx-1, GSHPx-1, Gpx, cellular glutathione peroxidase
Gene ID:	14775, 24404
NCBI Accession:	NP_032186
Pathways:	Thyroid Hormone Synthesis , Sensory Perception of Sound , Skeletal Muscle Fiber Development , Cell RedoxHomeostasis , Negative Regulation of intrinsic apoptotic Signaling , SARS-CoV-2 Protein Interactome

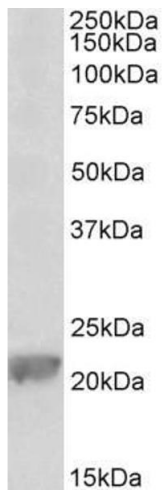
Application Details

Application Notes:	Western Blot: Approx 22 kDa band observed in Rat Kidney and Liver lysates and in Mouse Kidney lysates (calculated MW of 22.3 kDa according to NP_032186.2). Recommended concentration: 0.1-0.3 µg/mL. Peptide ELISA: antibody detection limit dilution 1:128000.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN1049502 (0.1g/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.