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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP57792_P050-HRP
Product Page	www.avivasysbio.com/glrx2-antibody-middle-region-hrp-arp57792-p050-hrp.html
Name	GLRX2 Antibody - middle region : HRP (ARP57792_P050-HRP)
Protein Size (# AA)	164 amino acids
Molecular Weight	18kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	51022
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutaredoxin 2
Alias Symbols	GRX2, CGI-133
Peptide Sequence	Synthetic peptide located within the following region: NVNYKVVVELDLLEYGNQFQDALYKMTGERTVPRIFVNGTFIGGATDTHRLH
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	GLRX2 is a glutathione-dependent oxidoreductase that facilitates the maintenance of mitochondrial redox homeostasis upon induction of apoptosis by oxidative stress. GLRX2 is involved in response to hydrogen peroxide and regulation of apoptosis caused by oxidative stress. GLRX2 acts as a very efficient catalyst of monothiol reactions because of its high affinity for protein glutathione-mixed disulfides. GLRX2 can receive electrons not only from glutathione (GSH), but also from thioredoxin reductase supporting both monothiol and dithiol reactions. GLRX2 efficiently catalyzes both glutathionylation and deglutathionylation of mitochondrial complex I, which in turn regulates the superoxide production by the complex. Overexpression of GLRX2 decreases the susceptibility to apoptosis and prevents loss of cardiolipin and cytochrome c release.
Protein Interactions	BAG3; TXNRD1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GLRX2 (ARP57792_P050-HRP) antibody
Blocking Peptide	For anti-GLRX2 (ARP57792_P050-HRP) antibody is Catalog# AAP57792 (Previous Catalog# AAPP45013)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GLRX2
Uniprot ID	Q9NS18
Protein Name	Glutaredoxin-2, mitochondrial
Protein Accession #	NP_932066
Purification	Affinity Purified
Nucleotide Accession #	NM_197962
Gene Symbol	GLRX2
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 86%; Dog: 86%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 93%; Rabbit: 86%; Rat: 86%; Sheep: 86%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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