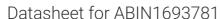
antibodies -online.com





anti-Glutaredoxin 2 antibody (AA 101-164) (Alexa Fluor 350)



Go to Product page

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Quantity:	100 μL
Target:	Glutaredoxin 2 (GRX2)
Binding Specificity:	AA 101-164
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutaredoxin 2 antibody is conjugated to Alexa Fluor 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glutaredoxin 2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Glutaredoxin 2 (GRX2)
Alternative Name:	Glutaredoxin 2 (GRX2 Products)

Target Details

Background:	Synonyms: GRX2, CGI-133, Glutaredoxin-2, mitochondrial, GLRX2
	Background: Glutathione-dependent oxidoreductase that facilitates the maintenance of
	mitochondrial redox homeostasis upon induction of apoptosis by oxidative stress. Involved in
	response to hydrogen peroxide and regulation of apoptosis caused by oxidative stress. Acts as
	a very efficient catalyst of monothiol reactions because of its high affinity for protein
	glutathione-mixed disulfides. Can receive electrons not only from glutathione (GSH), but also
	from thioredoxin reductase supporting both monothiol and dithiol reactions. Efficiently
	catalyzes both glutathionylation and deglutathionylation of mitochondrial complex I, which in
	turn regulates the superoxide production by the complex. Overexpression decreases the
	susceptibility to apoptosis and prevents loss of cardiolipin and cytochrome c release.
Gene ID:	51022
UniProt:	Q9NS18
Pathways:	Cell RedoxHomeostasis
Application Details	
Application Notes:	FCM 1:20-100
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and
	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date:

12 months