

Rabbit Glutaredoxin 2 Polyclonal Antibody | anti-GLRX2 antibody

Anti-Glutaredoxin 2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45378	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

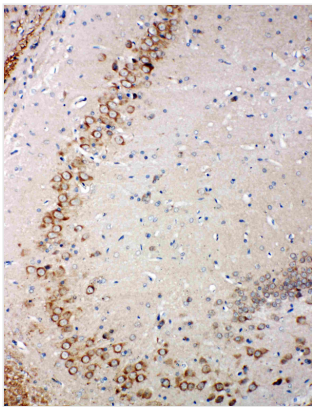
PRODUCT SYNONYMS

Glutaredoxin 2; Polyclonal Antibody; Anti-Glutaredoxin 2 antibody; Glutaredoxin-2; mitochondrial; glutaredoxin 2; bA101E13.1(GRX2 glutaredoxin(thioltransferase) 2) antibody; bA101E13.1 antibody; CGI133 antibody; Glrx2 antibody; GLRX2_HUMAN antibody; Glutaredoxin-2 antibody; mitochondrial antibody; GRX2 antibody; anti-GLRX2 antibody

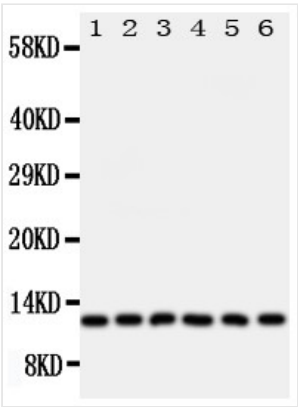
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	164
Applicable Applications for anti-GLRX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Glutaredoxin 2 (103-119aa EYGNQFQDALYKMTGER), different from the related rat sequence by two amino acids, and from the related mouse sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Glutaredoxin 2 antibody, AAA45378, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-Glutaredoxin 2 antibody, AAA45378, Western blottingLane 1: Rat Testis Tissue LysateLane 2: HELA Cell LysateLane 3: U87 Cell LysateLane 4: NEU Cell LysateLane 5: JURKAT Cell LysateLane 6: MCF-7 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-GLRX2 antibody	Description: Rabbit IgG polyclonal antibody for Glutaredoxin-2, mitochondrial(GLRX2) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: GLRX2(Glutaredoxin-2) also known as Glutaredoxin-2, mitochondrial or GRX2, is a protein that in humans is encoded by the GLRX2 gene. Glutaredoxins(e.g., GLRX) are a family of glutathione-dependent hydrogen donors that participate in a variety of cellular redox reactions. By sequence analysis, Lundberg et al.(2001) and Gladyshev et al.(2001) identified the GLRX2 gene within a clone mapping to chromosome 1q31.2-q31.3. Lundberg et al.(2001) determined that the GLRX2 gene contains 5 exons spanning about 9.6 kb. The GLRX2B transcript uses a first exon(exon 1B) located upstream from the first exon used by the GLRX2A transcript(exon 1A), suggesting that alternative splicing generates the isoforms. Lundberg et al.(2001)assayed reductase activity in recombinant proteins of both GLRX2 isoforms. They found that both have GSH-dependent dehydroascorbate reductase activity and 2-hydroxyethyl disulfide reductase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73919686
NCBI GeneID	51022
UniProt Accession #	Q9NS18; Q3LR69; Q7L1N7; Q96JC0; Q9Y3D4
Molecular Weight	18,726 Da
NCBI Official Full Name	Glutaredoxin-2, mitochondrial
NCBI Official Synonym Full Names	glutaredoxin 2
NCBI Official Symbol	GLRX2
NCBI Official Synonym Symbols	GRX2; CGI-133
NCBI Protein Information	glutaredoxin 2; bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2)
UniProt Protein Name	Glutaredoxin-2, mitochondrial
UniProt Gene Name	GLRX2
UniProt Synonym Gene Names	GRX2
UniProt Entry Name	GLRX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

