

## Rabbit GLRX2 Polyclonal Antibody | anti-GLRX2 antibody

GLRX2 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                    | APPLICATIONS |
|-----------|--------|---------------------------------------------------------------|--------------|
| AAA200745 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep | Western Blot |

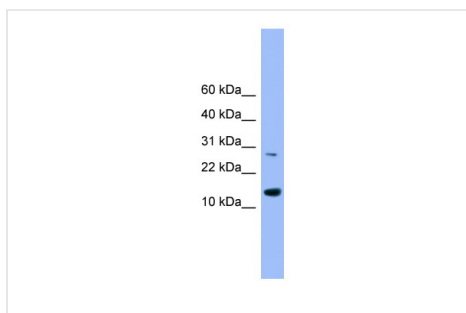
### PRODUCT SYNONYMS

GLRX2; Polyclonal Antibody; GLRX2 antibody - middle region; anti-GLRX2 antibody

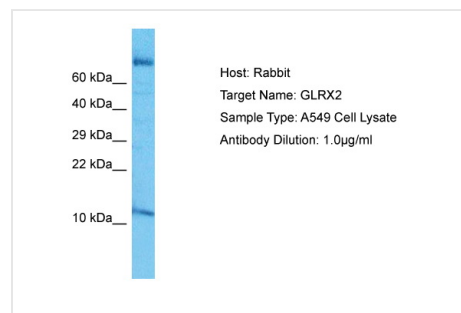
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: NV NYKVVELDLL EYGNQFQDAL YKMTGERTVP RIFVNGTFIG GATDTHRLH                                                 |
| Sequence Length                                 | 164                                                                                                                                                   |
| Applicable Applications for anti-GLRX2 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 86%; Dog: 86%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 93%; Rabbit: 86%; Rat: 86%; Sheep: 86%                                           |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the middle region of human GLRX2                                                                |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-GLRX2 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:1562500  
Positive Control: Human heart


#### WB (Western Blot)

Host: Rabbit  
Target Name: GLRX2  
Sample Type: A549 Cell Lysate  
Antibody Dilution: 1.0 ug/ml

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GLRX2 antibody | <p>This is a rabbit polyclonal antibody against GLRX2. It was validated on Western Blot</p> <p>Target Description: 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.</p> |
| Product Categories/Family for anti-GLRX2 antibody   | Polyclonal; Transcription Regulation; Drugs and Drug Metabolism; Cell Biology; Mitochondria; Transcription Factors; Cell Differentiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 37537704                      |
| NCBI GeneID                      | 51022                         |
| NCBI Accession #                 | NP_932066                     |
| NCBI GenBank Nucleotide #        | NM_197962                     |
| UniProt Accession #              | Q9NS18                        |
| Molecular Weight                 | 18kDa                         |
| NCBI Official Full Name          | glutaredoxin 2 isoform 2      |
| NCBI Official Synonym Full Names | glutaredoxin 2                |
| NCBI Official Symbol             | GLRX2                         |
| NCBI Official Synonym Symbols    | GRX2; CGI-133                 |
| NCBI Protein Information         | glutaredoxin 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.