

Rabbit anti-Human, Rat Glutaredoxin-3 Polyclonal Antibody | anti-GLRX3 antibody

Rabbit anti-human Glutaredoxin-3 polyclonal Antibody(GLRX3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118368	Rabbit	Human, Rat	Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Glutaredoxin-3; Polyclonal Antibody; Rabbit anti-human Glutaredoxin-3 polyclonal Antibody(GLRX3); PKC-interacting cousin of thioredoxin; PICOT; PKC-theta-interacting protein; PKCq-interacting protein; Thioredoxin-like protein 2; GLRX3; TXNL2; HUSSY-22; anti-GLRX3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	335
Applicable Applications for anti-GLRX3 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Glutaredoxin-3 protein (1-335aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-69309 / sc-69306 / sc-69308
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



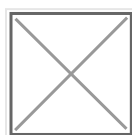
IP (Immunoprecipitation)

Immunoprecipitating GLRX3 in HepG2 whole cell lysateLane 1: Rabbit monoclonal IgG(1ug)instead of AAA118368 in HepG2 whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000)Lane 2: AAA118368(4ug)+ HepG2 whole cell lysate(500ug)Lane 3: HepG2 whole cell lysate (20ug)



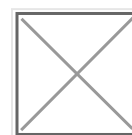
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA118368 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testicle using AAA118368 at dilution 1:100



WB (Western Blot)

All lanes: Glutaredoxin-3 antibody at 10ug/mL Lane 1:rat brain tissue Lane 2:HepG2 whole cell lysate Lane 3:Hela whole cell lysate Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 37kDa Observed band size: 37kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GLRX3 antibody	Critical negative regulator of cardiac hypertrophy and a positive inotropic regulator (By similarity). Crucial regulator of cellular iron homeostasis and hemoglobin maturation. May play a role in regulating the function of the thioredoxin system. Does not posses any thyoredoxin activity since it lacks the conserved motif that is essential for catalytic activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315467838
NCBI GeneID	10539
NCBI Accession #	NP_001186797.1
NCBI GenBank Nucleotide #	NM_001199868.1
UniProt Accession #	O76003; Q5JV01; Q96CE0; Q9P1B0; Q9P1B1; B3KMP7; B3KMQ5; D3DRG2
Molecular Weight	37,432 Da
NCBI Official Full Name	glutaredoxin-3
NCBI Official Synonym Full Names	glutaredoxin 3
NCBI Official Symbol	GLRX3
NCBI Official Synonym Symbols	GRX3; GRX4; GLRX4; PICOT; TXNL2; TXNL3
NCBI Protein Information	glutaredoxin-3
UniProt Protein Name	Glutaredoxin-3
UniProt Gene Name	GLRX3
UniProt Synonym Gene Names	PICOT; TXNL2; PICOT; PKCq-interacting protein
UniProt Entry Name	GLRX3_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.