

TXNL2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12099a**Specification**

TXNL2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O76003](#)**TXNL2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 10539**Other Names**

Glutaredoxin-3, PKC-interacting cousin of thioredoxin, PICOT, PKC-theta-interacting protein, PKCq-interacting protein, Thioredoxin-like protein 2, GLRX3, PICOT, TXNL2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TXNL2 Antibody (N-term) Blocking peptide - Protein Information**Name** GLRX3**Synonyms** PICOT {ECO:0000303|PubMed:10636891}, TXN**Function**

Together with BOLA2, acts as a cytosolic iron-sulfur (Fe-S) cluster assembly factor that facilitates [2Fe-2S] cluster insertion into a subset of cytosolic proteins (PubMed:26613676, PubMed:27519415). Acts as a critical negative regulator of cardiac hypertrophy and a positive inotropic regulator (By similarity). Required for hemoglobin maturation (PubMed:23615448). Does not possess any thioredoxin activity since it lacks the conserved motif that is essential for catalytic activity.

Cellular Location

Cytoplasm, cytosol. Cytoplasm, cell cortex. Cytoplasm, myofibril, sarcomere, Z line {ECO:0000250|UniProtKB:Q9CQM9}. Note=Under the plasma membrane (By similarity). After PMA stimulation, GLRX3 and PRKCQ/PKC-theta translocate to a more extended submembrane area (By similarity). In the Z line, found associated with CSRP3 (By similarity).

{ECO:0000250|UniProtKB:Q9CQM9}

Tissue Location

Expressed in heart, spleen, testis and, to a lower extent, in thymus and peripheral blood leukocytes. Weakly expressed in lung, placenta, colon and small intestine

TXNL2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TXNL2 Antibody (N-term) Blocking peptide - Images**TXNL2 Antibody (N-term) Blocking peptide - Background**

GLRX3 is a critical negative regulator of cardiac hypertrophy and a positive inotropic regulator (By similarity). May play a role in regulating the function of the thioredoxin system. Does not possess any thioredoxin activity since it lacks the conserved motif that is essential for catalytic activity.

TXNL2 Antibody (N-term) Blocking peptide - References

Ohayon, A., et al. J. Histochem. Cytochem. 58(9):799-806(2010)Haunhorst, P., et al. Biochem. Biophys. Res. Commun. 394(2):372-376(2010)Ohayon, A., et al. J Immunotoxicol 7(1):8-14(2010)Cha, M.K., et al. Cancer Epidemiol 33 (3-4), 281-287 (2009) :Roeske, D., et al. Mol. Psychiatry (2009) In press :