

Glutaredoxin 5 Rabbit pAb

Catalog Number: bs-13395R

Target Protein: Glutaredoxin 5

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500),
ELISA (1:5000-10000)

Reactivity: (predicted:Human, Mouse, Rat, Rabbit, Pig, Sheep, Cow, Horse)

Predicted MW: 14 kDa

Subcellular Cytoplasm

Locations:

Entrez Gene: 51218

Swiss Prot: Q86SX6

Source: KLH conjugated synthetic peptide derived from human Glutaredoxin 5: 51-157/157.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a mitochondrial protein, which is evolutionarily conserved. It is involved in the biogenesis of iron-sulfur clusters, which are required for normal iron homeostasis.

Mutations in this gene are associated with autosomal recessive pyridoxine-refractory sideroblastic anemia. [provided by RefSeq, May 2010]

PRODUCT SPECIFIC PUBLICATIONS

[IF=8.579] Lee J et al. Inhibition of Glutaredoxin 5 predisposes Cisplatin-resistant Head and Neck Cancer Cells to Ferroptosis. Theranostics. 2020 Jun 19;10(17):7775-7786. WB ; Human . 32685019

[IF=7.9] Shikang Zhou. et al. Salvia miltiorrhiza Bge. processed with porcine cardiac blood inhibited GLRX5-mediated ferroptosis alleviating cerebral ischemia-reperfusion injury. PHYTOMEDICINE. 2024 Jul;129:155622 IHC,IF,WB ; Rat,Human . 38677272

[IF=5.008] Rychtarcikova, Zuzana, et al. "Tumor-initiating cells of breast and prostate origin show alterations in the expression of genes related to iron metabolism." Oncotarget (2016). WB ; ="Human" . 28031527