bs-13395R

[Primary Antibody]

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Glutaredoxin 5 Rabbit pAb

- DATASHEET -

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GenelD: 51218 **SWISS:** Q86SX6

Target: Glutaredoxin 5

Immunogen: KLH conjugated synthetic peptide derived from human

Glutaredoxin 5: 51-157/157.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

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 Location: Cytoplasm

- SELECTED CITATIONS -

- [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