

## Glutaredoxin-1 Polyclonal Antibody

Catalog No: YT6281

**Reactivity:** Human; Rat; Mouse;

**Applications:** WB;IHC;IF;ELISA

Target: Glutaredoxin-1

Gene Name: GLRX GRX

Protein Name: Glutaredoxin-1

Human Gene ld: 2745

**Human Swiss Prot** 

No:

Immunogen: Synthesized peptide derived from human Glutaredoxin-1 AA range: 8-58

**Specificity:** This antibody detects endogenous levels of human Glutaredoxin-1

**Formulation:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

P35754

**Dilution:** WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not

yet tested in other applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 12kD

**Background:** This gene encodes a member of the glutaredoxin family. The encoded protein is

a cytoplasmic enzyme catalyzing the reversible reduction of glutathione-protein



mixed disulfides. This enzyme highly contributes to the antioxidant defense system. It is crucial for several signalling pathways by controlling the S-glutathionylation status of signalling mediators. It is involved in beta-amyloid toxicity and Alzheimer's disease. Multiple alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Aug 2011],

**Function:** 

function:Has a glutathione-disulfide oxidoreductase activity in the presence of NADPH and glutathione reductase. Reduces low molecular weight disulfides and proteins.,similarity:Belongs to the glutaredoxin family.,similarity:Contains 1 glutaredoxin domain.,

Subcellular Location :

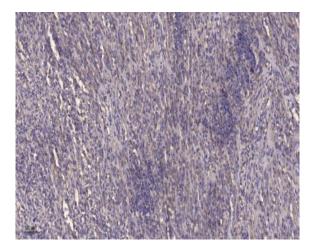
Cytoplasm.

**Expression:** Blood, Brain, Lens, Liver, Skin, Spleen, Urinary bladder,

## **Products Images**

1 Western blo 180 --140 --100 --75 --60 --45 --25 --15 --10 -- GLRX1

Western blot analysis of lysates from Jurkat cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).