

Datasheet for ABIN7154050  
**anti-Glutaredoxin 2 antibody (AA 1-124)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	Glutaredoxin 2 (GRX2)
Binding Specificity:	AA 1-124
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutaredoxin 2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Glutaredoxin-2, mitochondrial protein (1-124AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	Glutaredoxin 2 (GRX2)
Alternative Name:	GLRX2 ( <a href="#">GRX2 Products</a> )
Background:	Background: Glutathione-dependent oxidoreductase that facilitates the maintenance of mitochondrial redox homeostasis upon induction of apoptosis by oxidative stress. Involved in

## Target Details

response to hydrogen peroxide and regulation of apoptosis caused by oxidative stress. Acts as a very efficient catalyst of monothiol reactions because of its high affinity for protein glutathione-mixed disulfides. Can receive electrons not only from glutathione (GSH), but also from thioredoxin reductase supporting both monothiol and dithiol reactions. Efficiently catalyzes both glutathionylation and deglutathionylation of mitochondrial complex I, which in turn regulates the superoxide production by the complex. Overexpression decreases the susceptibility to apoptosis and prevents loss of cardiolipin and cytochrome c release.

Aliases: bA101E13.1 (GRX2 glutaredoxin (thioltransferase) 2) antibody, bA101E13.1 antibody, CGI133 antibody, Glrx2 antibody, GLRX2\_HUMAN antibody, Glutaredoxin-2 antibody, Glutaredoxin-2, mitochondrial antibody, GRX2 antibody, mitochondrial antibody

UniProt: [Q9NS18](#)

Pathways: [Cell RedoxHomeostasis](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

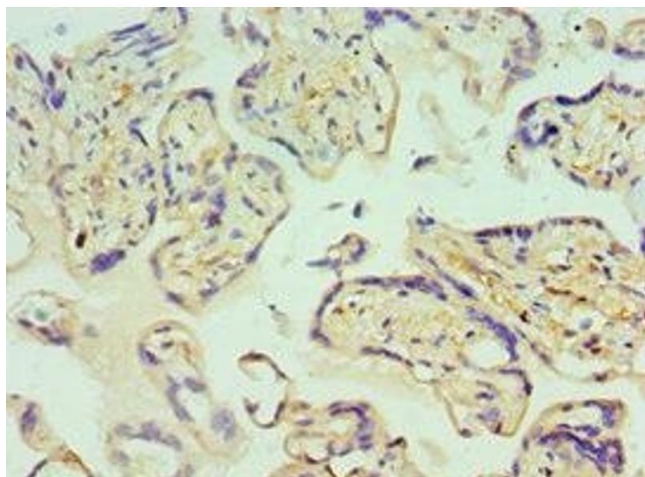
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

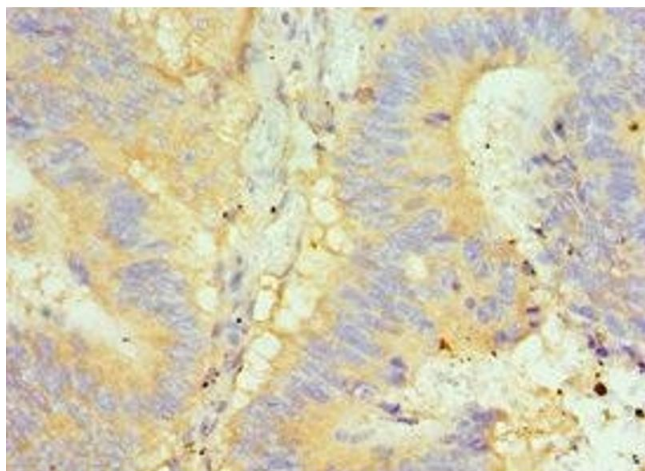
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7154050 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7154050 at dilution of 1:100