

# IHCeasy<sup>®</sup> Glutaredoxin 5 Ready-To-Use IHC Kit

Catalog Number: **KHC3282**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Rabbit Polyclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

Glutaredoxin 5 (GLRX5) is an essential protein engaging in mitochondrial iron-sulfur cluster (ISC) transfers to iron regulatory protein (IRP), m-aconitase, and ferrochelatase. GLRX5 deficiency impairs heme biosynthesis, causing sideroblastic anemia and variant nonketotic hyperglycinemia in humans. Mutations of GLRX5 lead to distinct effects on downstream ISC biosynthesis and maturation.

## Synonyms

C14orf87, FLB4739, GLRX 5, GLRX5, Glutaredoxin-related protein 5, mitochondrial

For technical support and original validation data for this product please contact:  
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## Selected Validation Data