

# IHC*easy* PRDX3 Ready-To-Use IHC Kit

Catalog Number: **KHC0562**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Mouse Monoclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Mouse

## 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

PRDX3 (Peroxioredoxin 3), also named as AOP1, HBC189 and MER5, belongs to the ahpC/TSA family. It is involved in redox regulation of the cell and protects radical-sensitive enzymes from oxidative damage by a radical-generating system. PRDX3 is required for MYC-mediated proliferation, transformation, and apoptosis after glucose withdrawal and essential for maintaining mitochondrial mass and membrane potential in transformed rat and human cells. PRDX3 acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

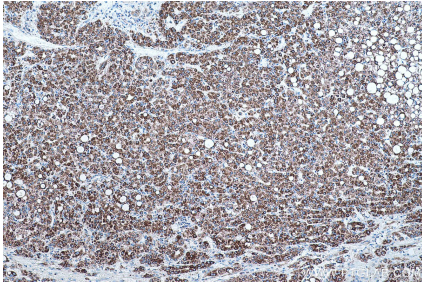
## Synonyms

Antioxidant protein 1, AOP 1, AOP1, HBC189, MER5, peroxiredoxin 3, Peroxioredoxin III, PRDX3, PRO1748, Protein MER5 homolog, Prx III, PRX3, SP 22

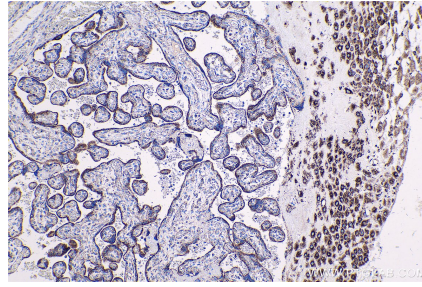
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using KHC0562 (PRDX3 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC0562 (PRDX3 IHC Kit).