

# IHCeasy<sup>®</sup> FDX1 Ready-To-Use IHC Kit

Catalog Number: **KHC3175**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**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.

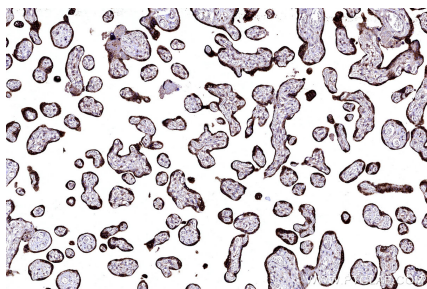
## Background

FDX1 (Ferredoxin-1) is also named as ADX, FDX, YAH1, LOH11CR1D and belongs to the adrenodoxin/putidaredoxin family. It is a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to a terminal cytochrome P450 and it can only reduce mitochondrial CYP enzymes that are essential in adrenal steroidogenesis, bile acid formation, and vitamin D synthesis.

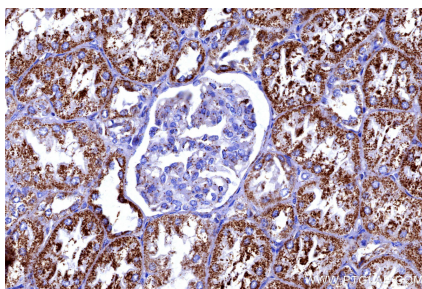
## Synonyms

ADX, FDX, Ferredoxin-1

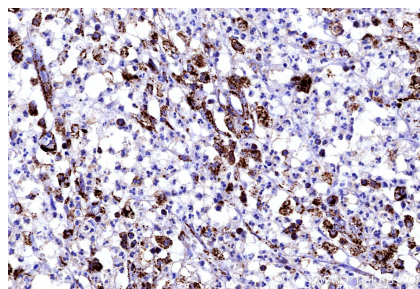
## Selected Validation Data



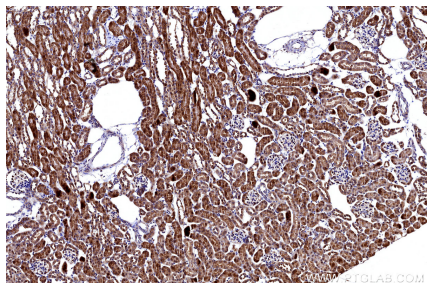
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC3175 (FDX1 IHC Kit).



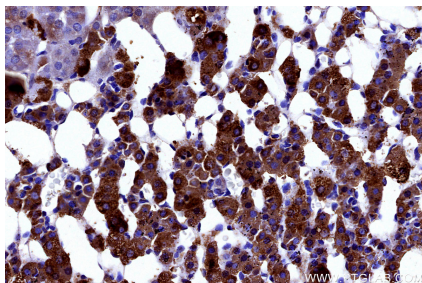
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC3175 (FDX1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC3175 (FDX1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC3175 (FDX1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC3175 (FDX1 IHC Kit).