

# IHC*easy* TRAK2 Ready-To-Use IHC Kit

Catalog Number: **KHC2095**

## 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.

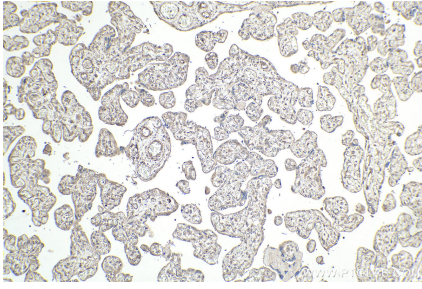
## Background

Trafficking kinesin-binding protein 2 (TRAK2) is a member of the TRAK family of kinesin adaptor proteins. In mammals, there are two members of the TRAK family, TRAK1 and TRAK2. TRAK1 and TRAK2 play roles in lysosomal and mitochondrial trafficking in cells. They function as kinesin adaptors linking kinesin heavy chain (KHC) to mitochondria. TRAK2 has been found to act as a trafficking factor for the K<sup>+</sup> channel Kir2.1 and  $\gamma$ -Aminobutyric acid type A (GABAA) receptor.

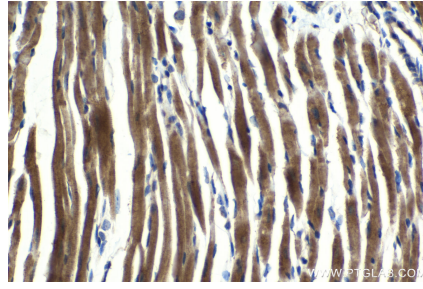
## Synonyms

ALS2CR3, CALS C, GRIF 1, GRIF1, KIAA0549, OIP98, TRAK2

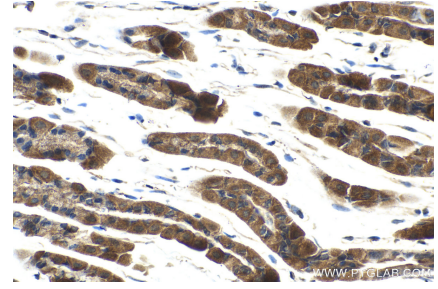
## Selected Validation Data



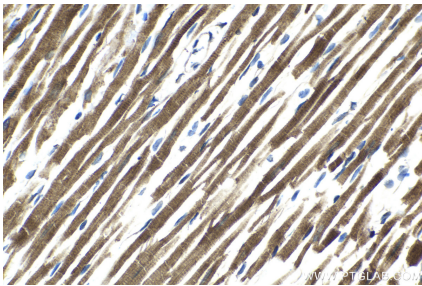
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2095 (TRAK2 IHC Kit).



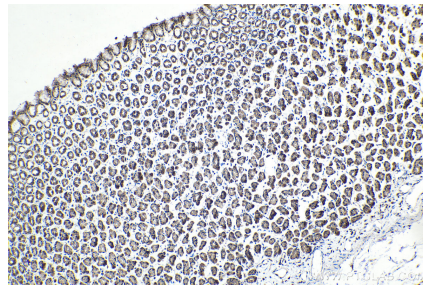
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using KHC2095 (TRAK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2095 (TRAK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using KHC2095 (TRAK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2095 (TRAK2 IHC Kit).