

# IHC*easy* DDRGK1 Ready-To-Use IHC Kit

Catalog Number: **KHC2799**

## 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.

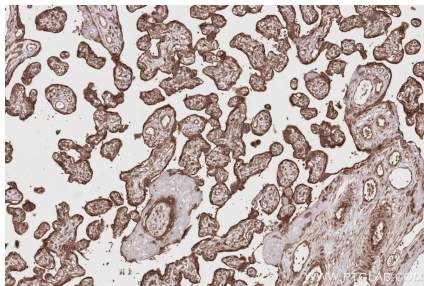
## Background

DDRGK1, also name as C20orf116, is a member of the DDRGK domain-containing protein family with unknown function. Depletion of DDRGK1 inhibits cell proliferation and invasion. Expression of NF- $\kappa$ B target genes showed the most significant decrease after depleting of DDRGK1, suggesting that DDRGK1 may play an important role in the NF- $\kappa$ B signaling pathway. DDRGK1 interacts with I $\kappa$ B $\alpha$  and regulates its stability, thereby regulates the NF- $\kappa$ B transcriptional activity. DDRGK1 acts as an important regulator of the NF- $\kappa$ B pathway.

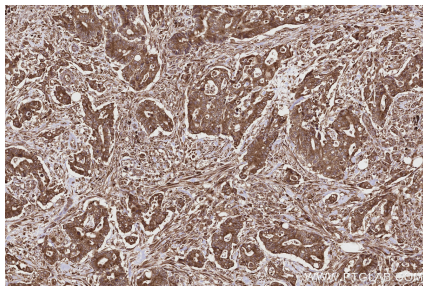
## Synonyms

C20orf116, Dashurin, DDRGK domain containing 1, DDRGK domain-containing protein 1, UFBP1

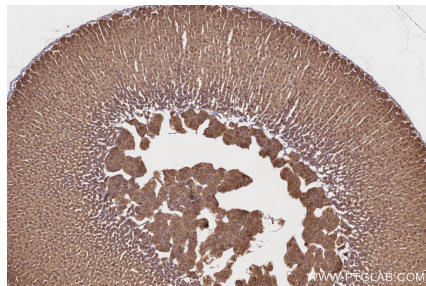
## Selected Validation Data



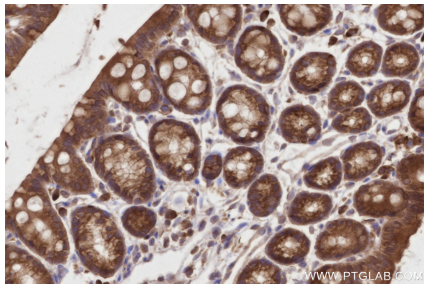
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2799 (DDR GK1 IHC Kit).



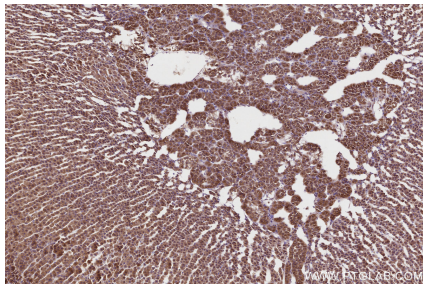
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2799 (DDR GK1 IHC Kit).



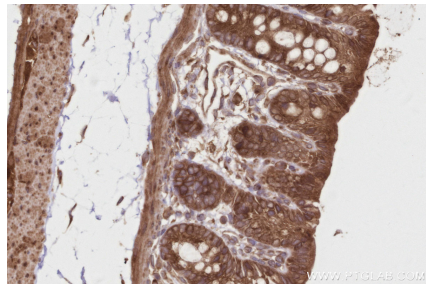
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC2799 (DDR GK1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC2799 (DDR GK1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat adrenal gland tissue slide using KHC2799 (DDR GK1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC2799 (DDR GK1 IHC Kit).