

IHC*easy* PTPIP51 Ready-To-Use IHC Kit

Catalog Number: **KHC2838**

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.

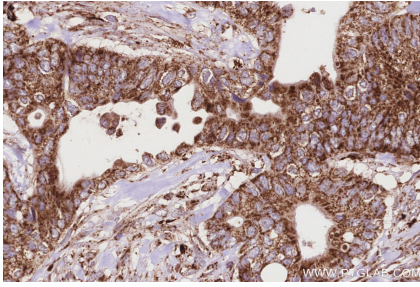
Background

Protein tyrosine phosphatase-interacting protein 51 (PTPIP51), also known as RMDN3, is a mitochondrial membrane-anchored protein that interacts with ER membrane-bound VAPB. The VAPB-PTPIP51 interaction impacts on intracellular Ca²⁺ handling. PTPIP51 participates in multiple cellular processes, and dysfunction of PTPIP51 is implicated in diseases such as cancer and neurodegenerative disorders.

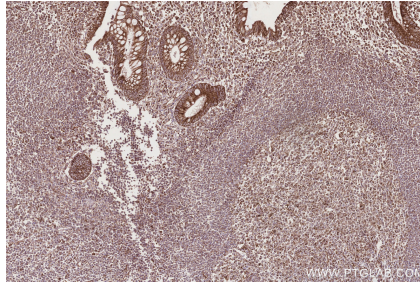
Synonyms

FAM82A2, FAM82C, hRMD 3, hRMD-3, hucep-10

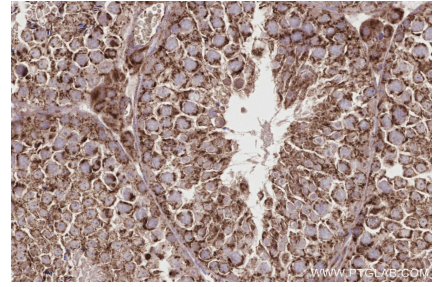
Selected Validation Data



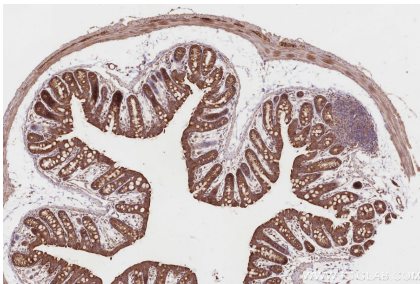
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2838 (PTPIP51 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using KHC2838 (PTPIP51 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC2838 (PTPIP51 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC2838 (PTPIP51 IHC Kit).