

#### For Research Use Only

# IHCeasy ITGA3 Ready-To-Use IHC Kit

## Catalog Number: KHC1334

#### General Information

Sample type: FFPE tissue Cited sample type: Reactivity: Human, Mouse Cited Reactivity: Assay type: Immunohistochemistry Primary antibody type: Mouse Monoclonal Secondary antibody type: Polymer-HRP-Goat anti-Mouse

## **Kit Component**

| Antigen Retrieval Buffer100 mL50×Washing Buffer100 mL ×220×Blocking Buffer5 mLRTUPrimary Antibody5 mLRTUSecondary Antibody5 mLRTUChromogen Component A0.2 mLRTUChromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE | Component                | Size               | Concentration |
|--|--------------------------|--------------------|---------------|
| Blocking Buffer5 mLRTUPrimary Antibody5 mLRTUSecondary Antibody5 mLRTUChromogen Component A0.2 mLRTUChromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Antigen Retrieval Buffer | 100 mL             | 50×           |
| Primary Antibody5 mLRTUSecondary Antibody5 mLRTUChromogen Component A0.2 mLRTUChromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Washing Buffer           | 100 mL ×2          | 20×           |
| Secondary Antibody5 mLRTUChromogen Component A0.2 mLRTUChromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE   | Blocking Buffer          | 5 mL               | RTU           |
| Chromogen Component A0.2 mLRTUChromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Primary Antibody         | 5 mL               | RTU           |
| Chromogen Component B4 mLRTUSignal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Secondary Antibody       | 5 mL               | RTU           |
| Signal Enhancer5 mLRTUCounter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Chromogen Component A    | 0.2 mL             | RTU           |
| Counter Staining Reagent5 mLRTUMounting Media5 mLRTUControl Slide1 slide (Optional)FFPE  | Chromogen Component B    | 4 mL               | RTU           |
| Mounting Media5 mLRTUControl Slide1 slide (Optional)FFPE   | Signal Enhancer          | 5 mL               | RTU           |
| Control Slide 1 slide (Optional) FFPE  | Counter Staining Reagent | 5 mL               | RTU           |
|  | Mounting Media           | 5 mL               | RTU           |
| Datasheet 1 Copy   | Control Slide            | 1 slide (Optional) | FFPE          |
| 12   | Datasheet                | 1 Сору             |               |
| Manual 1 Copy  | Manual                   | 1 Сору             |               |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

Background

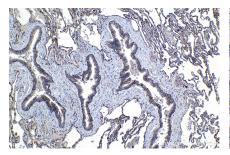
Synonyms

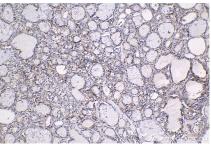
CD49C, FRP 2, Galactoprotein B3, GAP B3, GAPB3, Integrin alpha 3, ITGA3, MSK18, VCA 2, VL3A, VLA 3 subunit alpha, VLA3a

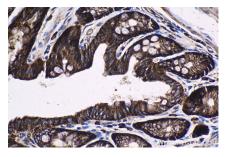
ITGA3, also named as MSK18, CD49c, GAPB3 and FRP-2, belongs to the integrin alpha chain family. It is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. ITGA3 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration. ITGA3 is highly concentrated in epithelial cells where it strongly adheres to Laminin-5 and Laminin-5 induced rapid adhesion can be blocked by antibodies against the alpha-3 integrin subunit.

For technical support and original validation data for this product please contact: T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

### Selected Validation Data



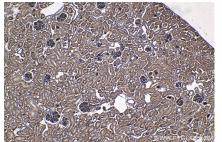




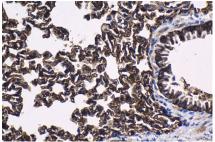
Immunohistochemical analysis of paraffinembedded human lung tissue slide using KHC1334 (ITGA3 IHC Kit).

Immunohistochemical analysis of paraffinembedded human thyroid cancer tissue slide using KHC1334 (ITGA3 IHC Kit).

Immunohistochemical analysis of paraffinembedded mouse colon tissue slide using KHC1334 (ITGA3 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse kidney tissue slide using KHC1334 (ITGA3 IHC Kit).



Immunohistochemical analysis of paraffinembedded mouse lung tissue slide using KHC1334 (ITGA3 IHC Kit).