

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

Catalog Number: **KHC2450**

## 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.

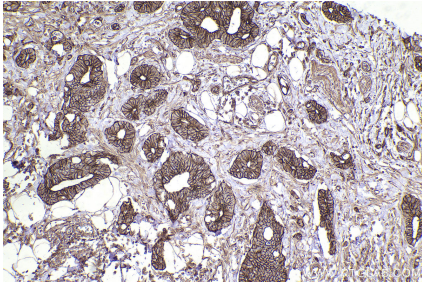
## Background

SCRIB encodes a large, 260-kDa cytoplasmic scaffolding protein that comprises a large leucine-rich repeat (LRR) region and 4 PDZ domains that regulate protein-protein interactions. In mammals, cell polarity is established and maintained by at least 3 protein modules (Scrib, Crumbs, and Par). The apical (Crumbs and Par) and basolateral (Scrib) modules function in a mutually antagonistic relationship to regulate various polarization processes such as apical-basal polarity, planar cell polarity, asymmetric cell division and migration. The loss of SCRIB in malignant tumors suggest that it has potential to be a tumor suppressor. Alteration of polarity through deletion, downregulation, overexpression, and mislocalization can induce structural and functional alteration of cells that might be related to tumorigenesis. Mislocalization of SCRIB is involved in epithelial-to-mesenchymal transition (EMT) by inducing loss of E-cadherin. Deregulated SCRIB expression induces tumorigenesis in breast and liver.

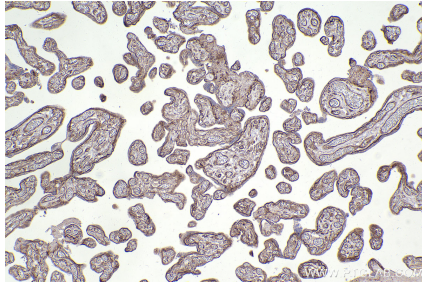
## Synonyms

SCRIB, CRIB1, hScrib, KIAA0147, LAP4

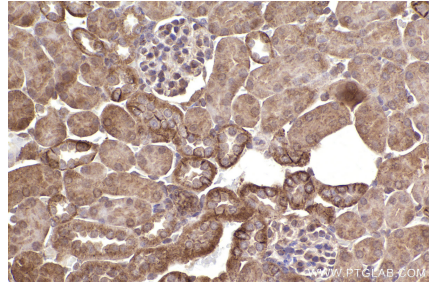
## Selected Validation Data



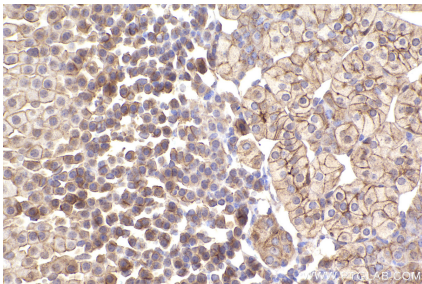
Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2450 (SCRIB IHC Kit).



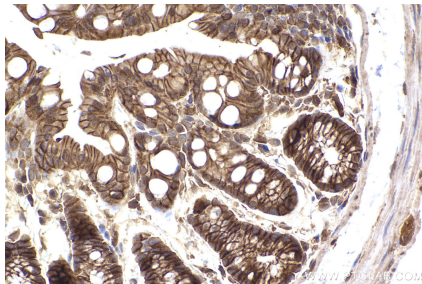
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2450 (SCRIB IHC Kit).



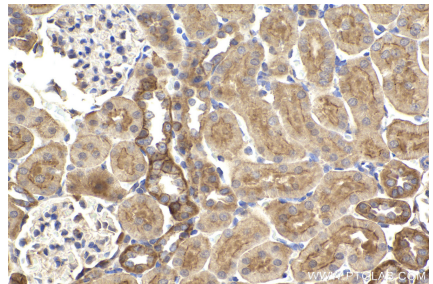
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2450 (SCRIB IHC Kit).



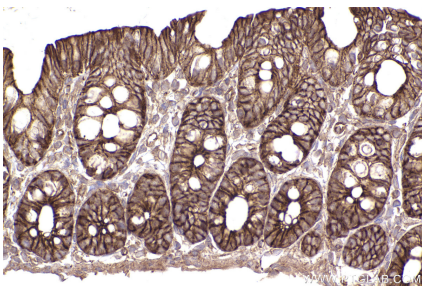
Immunohistochemical analysis of paraffin-embedded mouse adrenal gland tissue slide using KHC2450 (SCRIB IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC2450 (SCRIB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC2450 (SCRIB IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC2450 (SCRIB IHC Kit).