

# IHC*easy* TPD52L2 Ready-To-Use IHC Kit

Catalog Number: **KHC0844**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Mouse Monoclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Mouse

## 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

Tumor protein D52-like proteins (TPD52) are small coiled-coil motif bearing proteins that were first identified in breast carcinoma. Three human TPD52 members had been identified, named hD52 (TPD52), hD53 (TPD52L1), and hD54 (TPD52L2). The most important characteristic of the protein family is a highly conserved coiled-coil motif that is required for homo- and heteromeric interaction with other TPD52-like proteins. TPD52 and related proteins have been implicated in cell proliferation, apoptosis, and vesicle trafficking. TPD52L2 has five isoforms produced by alternative splicing, and its multiple sites have been identified to be phosphorylated. Interaction of TPD52L2 with MAL2, a novel member of the MAL proteolipid family, may be required for the role of TPD52L2 in vesicle transport.

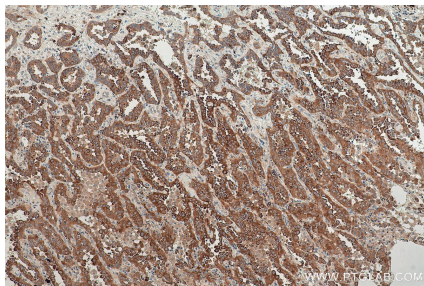
## Synonyms

D54, DKFZp686A1765, hD54, TPD52L2, TPD54, tumor protein D52 like 2, Tumor protein D54

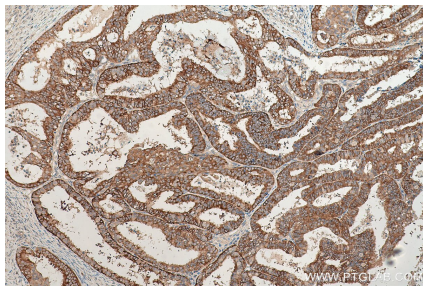
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

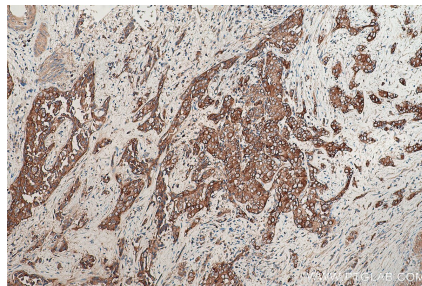
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0844 (TPD52L2 IHC Kit).



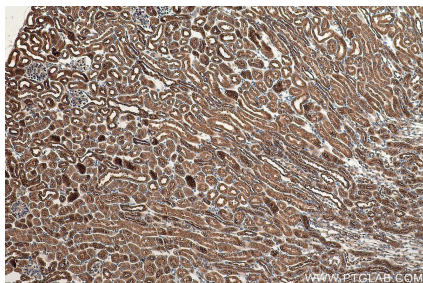
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using KHC0844 (TPD52L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC0844 (TPD52L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using KHC0844 (TPD52L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0844 (TPD52L2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using KHC0844 (TPD52L2 IHC Kit).