

# IHC*easy* SPHK2 Ready-To-Use IHC Kit

Catalog Number: **KHC1961**

## 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

SPHK2(Sphingosine kinase 2) is also named as SK2, SPK2 and catalyzes the phosphorylation of sphingosine to form sphingosine 1-phosphate (SPP), a lipid mediator with both intra- and extracellular functions. SPHK2 associates with HDAC1 and HDAC2 in repressor complexes and is selectively enriched at the promoters of the genes encoding the cyclin-dependent kinase inhibitor p21 or the transcriptional regulator c-fos, where it enhanced local histone H3 acetylation and transcription. SphK2 is most abundantly expressed in the liver and heart.

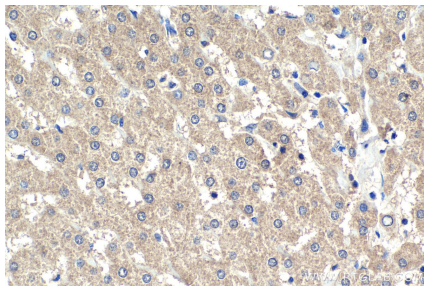
## Synonyms

SK 2, sphingosine kinase 2, SPHK2, SPK 2

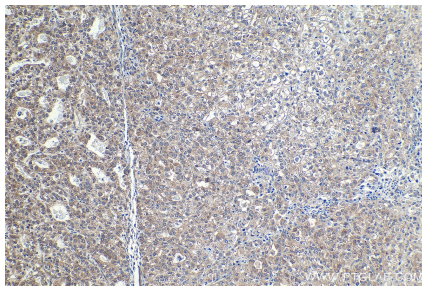
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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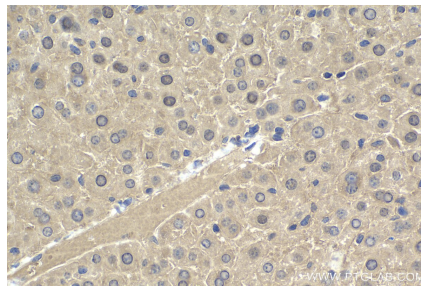
## Selected Validation Data



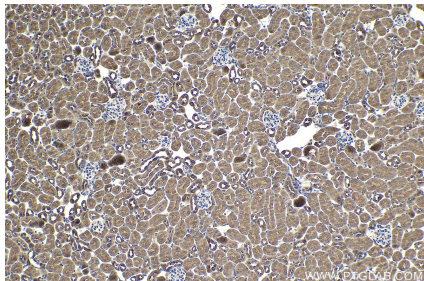
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using KHC1961 (SPHK2 IHC Kit).



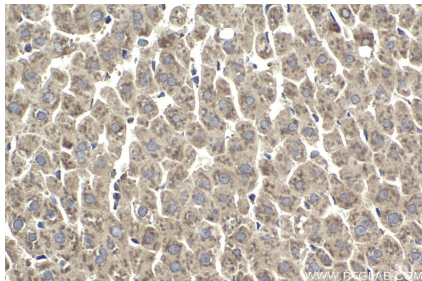
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using KHC1961 (SPHK2 IHC Kit).



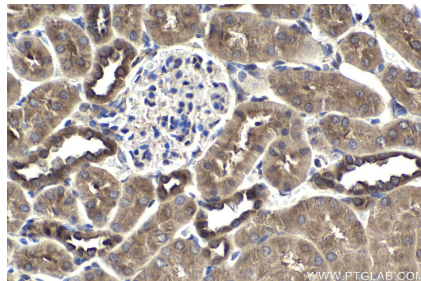
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using KHC1961 (SPHK2 IHC Kit).



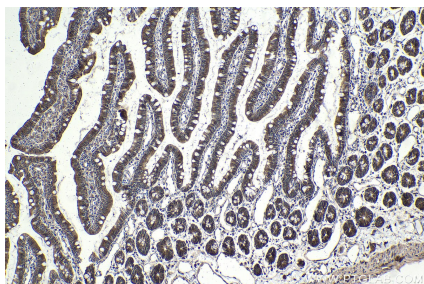
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC1961 (SPHK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using KHC1961 (SPHK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC1961 (SPHK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC1961 (SPHK2 IHC Kit).