

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

Catalog Number: **KHC0644**

## 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.

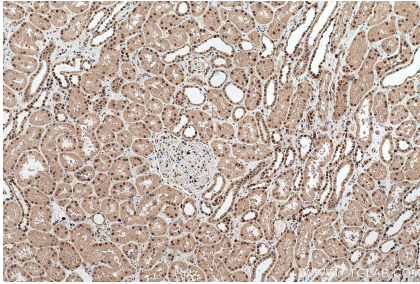
## Background

Nicotinamide phosphoribosyltransferase (NAMPT) has two usual synonyms termed Visfatin and PBEF. Its primary role is to catalyze the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD, which is the rate limiting component in the mammalian NAD biosynthesis pathway. NAMPT is localized in cytoplasm and expressed in large amounts in bone marrow, liver tissue, and muscle tissues. NAMPT inhibits neutrophil apoptosis in experimental inflammation and clinical sepsis. NAMPT levels are altered in plasma of patients with type 2 diabetes mellitus (T2DM), and it is now evidenced that NAMPT may play a role in lipid metabolism.

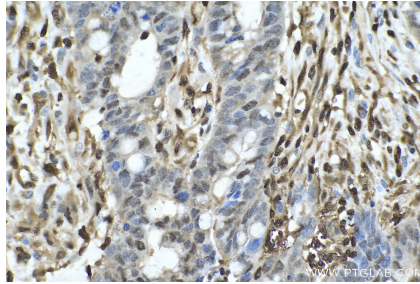
## Synonyms

1110035O14Rik, NAMPTase, NAMPT, NAMPT/PBEF, PBEF, PBEF1, Pre B cell enhancing factor, VF, VISFATIN

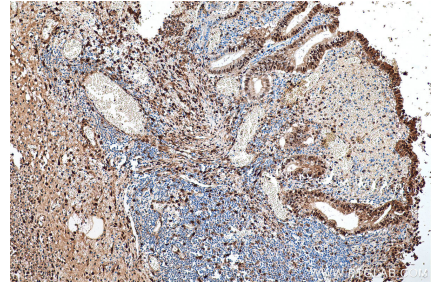
## Selected Validation Data



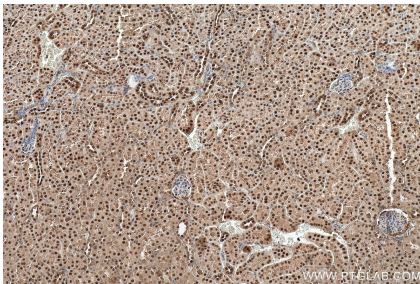
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



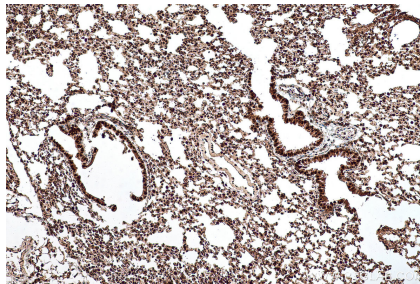
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



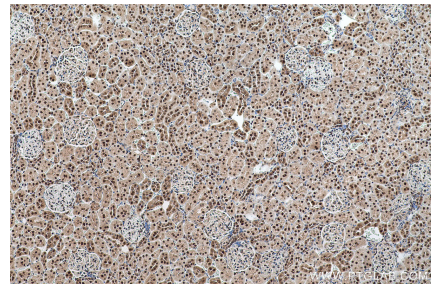
Immunohistochemical analysis of paraffin-embedded human appendicitis tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



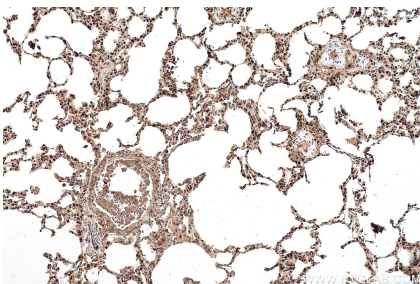
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC0644 (NAMPT/PBEF IHC Kit).