

# IHC*easy* KPNB1 Ready-To-Use IHC Kit

Catalog Number: **KHC1742**

## 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.

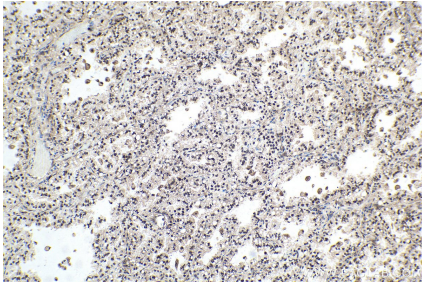
## Background

Importin beta1, also known karyopherin beta or KPNB1, is a nuclear transport receptor that plays a key role in the nuclear import process. Importin beta1 and importin alpha work in concert to transport cargo into the nucleus, functioning as an essential component of the classical nuclear localization signal (NLS) pathway. Elevated expression of importin beta1 has been found in cervical tumors.

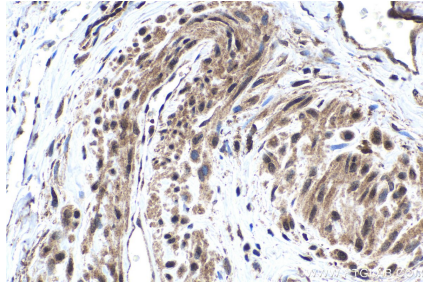
## Synonyms

IMB1, Impnb, Importin 90, Importin Beta, Importin subunit beta 1, IPO1, IPOB, karyopherin (importin) beta 1, Karyopherin subunit beta 1, KPNB1, NTF97, Nuclear factor p97, PTAC97

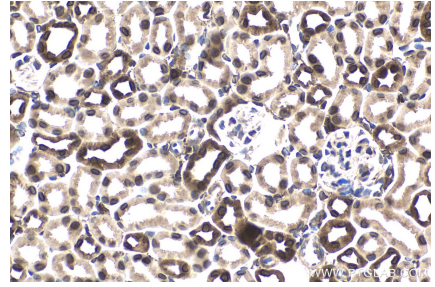
## Selected Validation Data



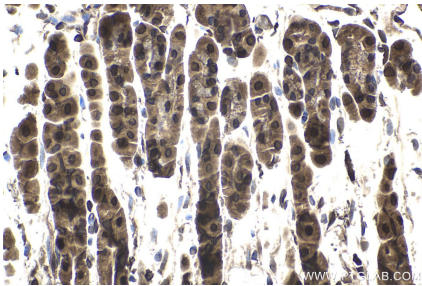
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1742 (KPNB1 IHC Kit).



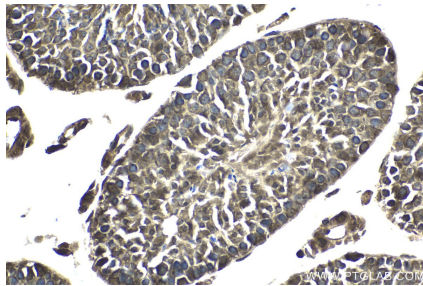
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC1742 (KPNB1 IHC Kit).



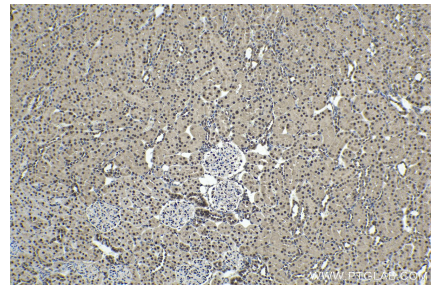
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC1742 (KPNB1 IHC Kit).



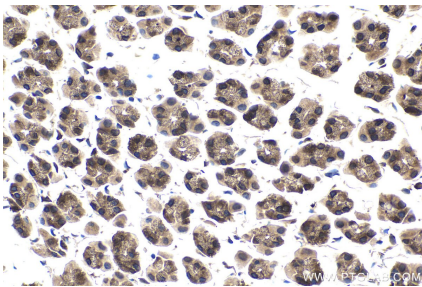
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC1742 (KPNB1 IHC Kit).



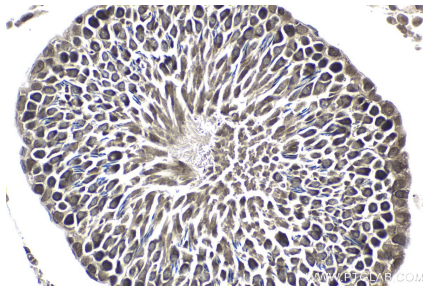
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1742 (KPNB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC1742 (KPNB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC1742 (KPNB1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1742 (KPNB1 IHC Kit).