

IHC*easy* RANBP1 Ready-To-Use IHC Kit

Catalog Number: **KHC0881**

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.

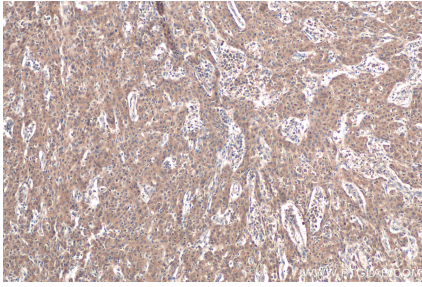
Background

RanBP1 (Ran-binding protein 1) belongs to the RANBP1 family. RanBP1 plays a role in RAN-dependent nucleocytoplasmic transport. It alleviates the TNPO1-dependent inhibition of RAN GTPase activity and mediates the dissociation of RAN from proteins involved in transport into the nucleus. And RanBP1 induces a conformation change in the complex formed by XPO1 and RAN that triggers the release of the nuclear export signal of cargo proteins. RanBP1 promotes dissociation of RAN from a complex with KPNA2 and CSE1L. It required for normal mitotic spindle assembly and normal progress through mitosis via its effect on RAN. Also, RanBP1 inhibits RCC1-dependent exchange of RAN-bound GDP by GTP.

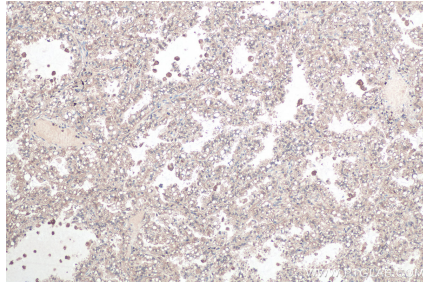
Synonyms

HTF9A, RAN binding protein 1, RANBP1

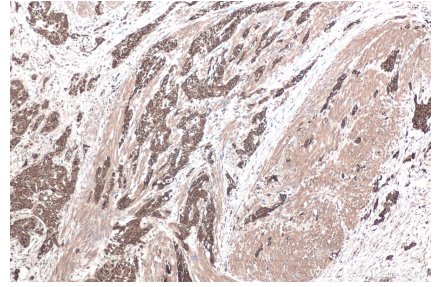
Selected Validation Data



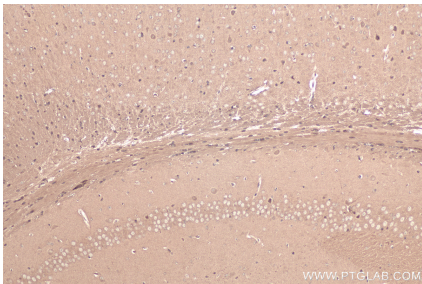
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC0881 (RANBP1 IHC Kit).



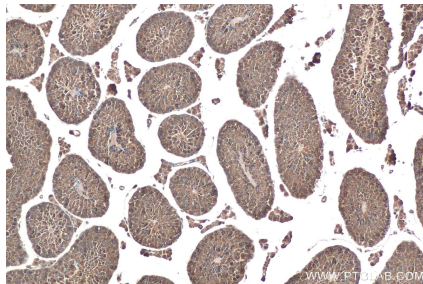
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0881 (RANBP1 IHC Kit).



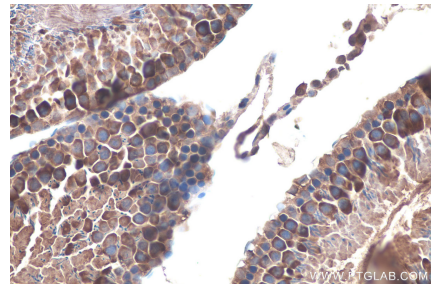
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using KHC0881 (RANBP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0881 (RANBP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC0881 (RANBP1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC0881 (RANBP1 IHC Kit).