

IHC*easy* VRK2 Ready-To-Use IHC Kit

Catalog Number: **KHC2638**

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.

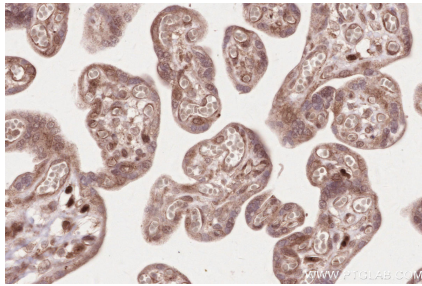
Background

Vaccinia-related kinase 2 (VRK2) is a serine/threonine kinase that plays a significant role in various cellular processes, including cell survival, proliferation, and DNA damage response. The VRK2 gene is known to produce two main splice variants: VRK2A and VRK2B, with VRK2A being the predominant form in humans. VRK2 is involved in several key biological functions. It is known to enhance cell survival by acting as an anti-apoptotic factor, which is particularly crucial in cancer biology. The overexpression of VRK2 has been linked to increased drug sensitivity in cancer cells, suggesting that this kinase may play a role in therapeutic responses. Additionally, high levels of VRK2 protein have been associated with improved survival rates in specific subgroups of astrocytomas, a type of brain tumor.

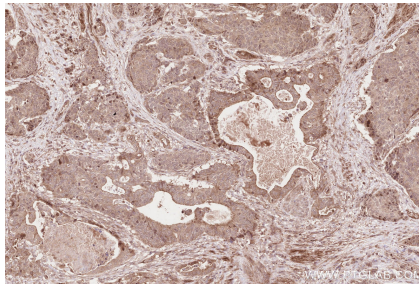
Synonyms

VRK2,EC:2.7.11.1,Serine/threonine-protein kinase V

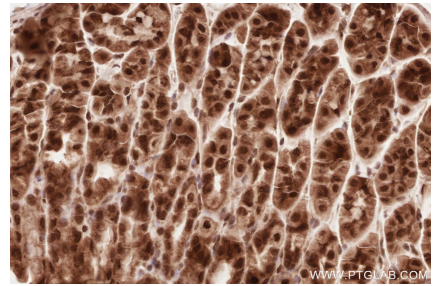
Selected Validation Data



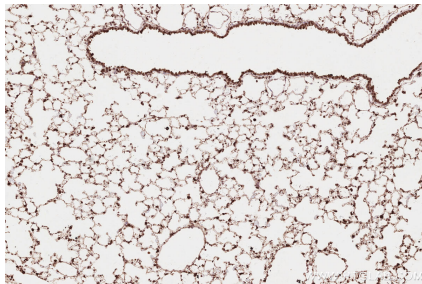
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2638 (VRK2 IHC Kit).



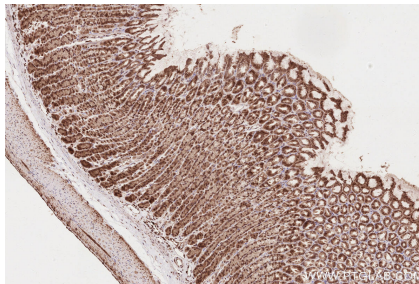
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using KHC2638 (VRK2 IHC Kit).



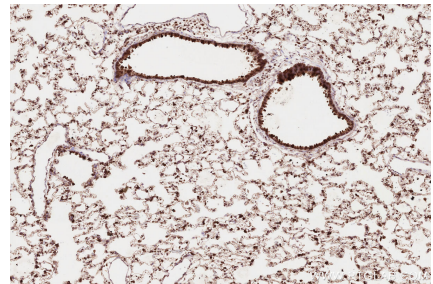
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using KHC2638 (VRK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using KHC2638 (VRK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using KHC2638 (VRK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC2638 (VRK2 IHC Kit).