

# IHC*easy* FOXK2 Ready-To-Use IHC Kit

Catalog Number: **KHC1663**

## 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.

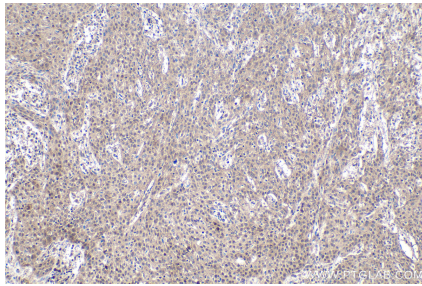
## Background

FOXK2 (forkhead box K2), also known as ILF and ILF1. FOXK2 is localized at nucleus and cytoplasm. It is also expected to be expressed in testis, brain and lymphoid and non-lymphoid cells. The protein encoded by this gene contains a fork head DNA binding domain. This protein can bind to the purine-rich motifs of the HIV long terminal repeat (LTR), and to the similar purine-rich motif in the interleukin 2 (IL2) promoter. It may be involved in the regulation of viral and cellular promoter elements. Anett Marais demonstrate that FOXK2 is phosphorylated in a cell cycle-dependent manner. This phosphorylation peaks during M phase and is mediated by CDK-cyclin complexes. FOXK2 exhibits a periodic rise in its phosphorylation levels during the cell cycle, with hyperphosphorylation occurring in mitotic cells.

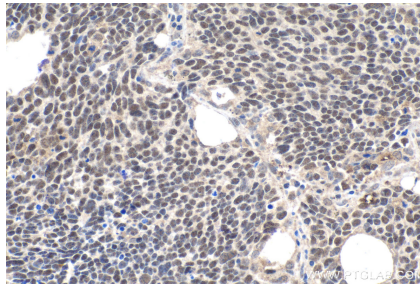
## Synonyms

forkhead box K2, Forkhead box protein K2, FOXK1, FOXK2, ILF, ILF 1, ILF1

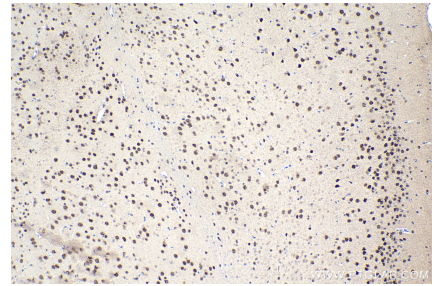
## Selected Validation Data



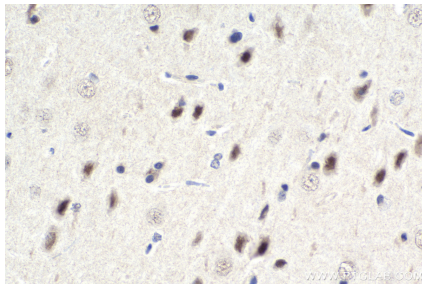
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using KHC1663 (FOXK2 IHC Kit).



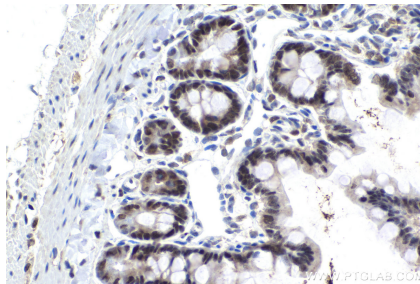
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC1663 (FOXK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC1663 (FOXK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC1663 (FOXK2 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using KHC1663 (FOXK2 IHC Kit).