

IHC*easy* TNK2/ACK1 Ready-To-Use IHC Kit

Catalog Number: **KHC2401**

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.

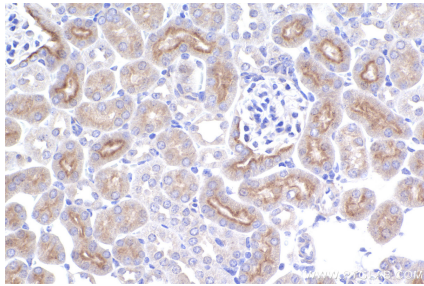
Background

TNK2, also named ACK1, belongs to the protein kinase superfamily and Tyr protein kinase family. It is a non-receptor tyrosine-protein and serine/threonine-protein kinase that is implicated in cell spreading and migration, cell survival, and cell proliferation. TNK2 transduces extracellular signals to cytosolic and nuclear effectors. It is a downstream effector of CDC42 which mediates CDC42-dependent cell migration via phosphorylation of BCAR1. TNK2 confers metastatic properties on cancer cells by negatively regulating tumor suppressors such as WWOX and positively regulating pro-survival factors such as AKT1 and AR.

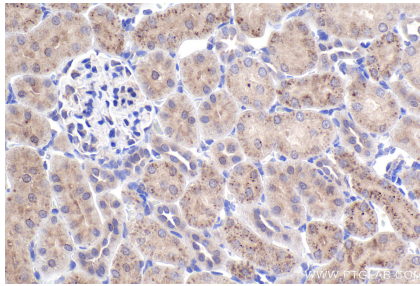
Synonyms

TNK2, EC:2.7.10.2, Activated CDC42 kinase 1, ACK-1, ACK1

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using KHC2401 (TNK2/ACK1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC2401 (TNK2/ACK1 IHC Kit).