

IHC*easy* CSNK1G1 Ready-To-Use IHC Kit

Catalog Number: **KHC2932**

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.

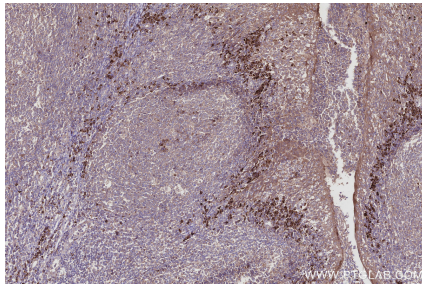
Background

The casein kinase 1 (CK1) is a family of Ser/Thr protein kinases that functions as regulator in signal transduction of eukaryotic cells. CSNK1G1 (Casein kinase I isoform gamma-1) plays an important role in activating the ATR/Chk1 pathway by phosphorylating Claspin, which was identified as a Chk1-activating protein. Recently, it has been found that CSNK1G1 can phosphorylate NF-κB subunit p65 at Ser536, which promotes its ubiquitin-mediated degradation by E3 ligases COMMD1 and CUL2.

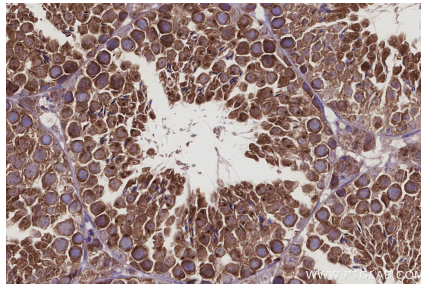
Synonyms

Casein kinase I isoform gamma-1, CKI gamma 1, CKI-gamma 1, CSNK, CSNK1

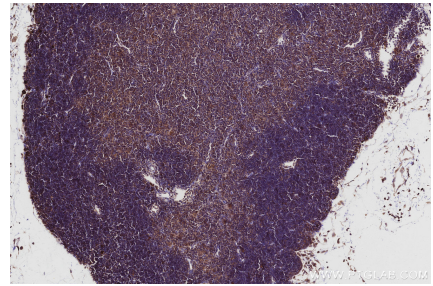
Selected Validation Data



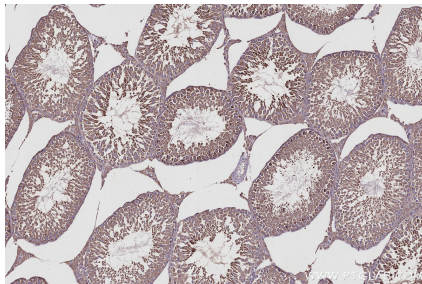
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using KHC2932 (CSNK1G1 IHC Kit).



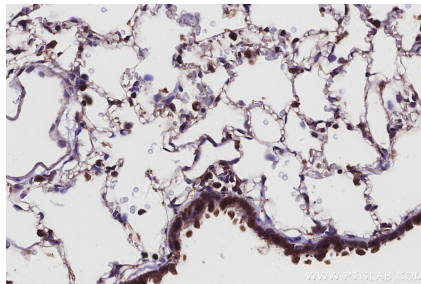
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC2932 (CSNK1G1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using KHC2932 (CSNK1G1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC2932 (CSNK1G1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using KHC2932 (CSNK1G1 IHC Kit).