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For Research Use Only

IHC*easy* p38 MAPK Ready-To-Use IHC Kit

Catalog Number: KHC0118

General Information

Sample type:
FFPE tissue

Cited sample type:

Reactivity:
Human, Mouse, Rat

Cited Reactivity:

Assay type:
Immunohistochemistry

Primary antibody type:
Mouse Monoclonal

Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

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

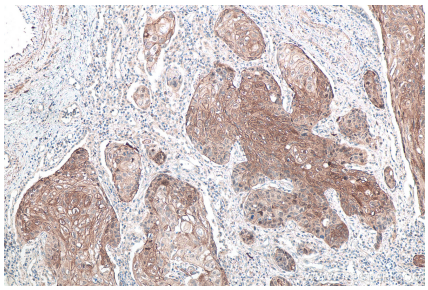
MAPK14 (mitogen-activated protein kinase 14) is also named as SAPK2A, p38 MAPK, CSBP1, RK, p38, EXIP, Mxi2, CSBP2, PRKM14, PRKM15, CSPB1, p38ALPHA and belongs to the MAP kinase subfamily. MAPK14-signaling is a central pathway for the integration of instructive signals in dendritic cells for T(H)17 differentiation and inflammation(PMID:22231518). It plays an important role in the regulation of hematopoietic stem cellself-renewal in vitro and inhibition of MAPK14 activation with a small molecule inhibitor may represent a novel approach to promote ex vivo expansion of hematopoietic stem cell.

Synonyms

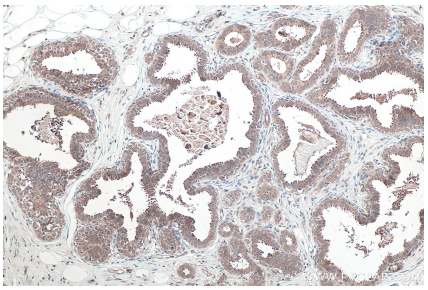
CSAID binding protein, CSBP, CSBP1, CSBP2, CSPB1, EXIP, MAP kinase 14, MAP kinase MXI2, MAP kinase p38 alpha, MAPK 14, MAPK14, MAX interacting protein 2, Mxi2, p38, p38 MAPK, p38ALPHA, PRKM14, PRKM15, RK, SAPK2A

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

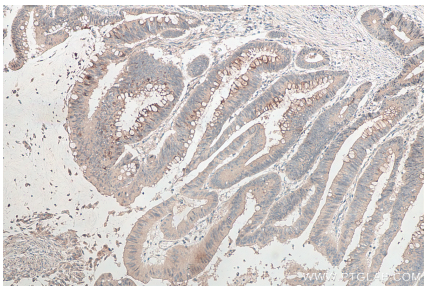
Selected Validation Data



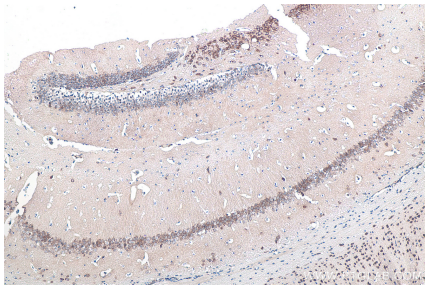
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using KHC0118 (p38 MAPK IHC Kit).



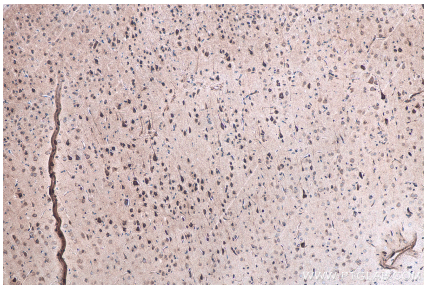
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using KHC0118 (p38 MAPK IHC Kit).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using KHC0118 (p38 MAPK IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using KHC0118 (p38 MAPK IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using KHC0118 (p38 MAPK IHC Kit).