Technical support: order@acebiolab.com

Phone: 886-3-2870051

Ver.1 Date: 20180222

Phospho-p38 MAPK Pathway Sampler Kit

Cat# AK0233

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

PRODUCT DESCRIPTION

p38 MAP kinase (MAPK), also called RK or CSBP, is the mammalian orthologue of the yeast HOG kinase that participates in a signaling cascade controlling cellular responses to cytokines and stress. Four isoforms of p38 MAPK, p38 α , β , γ (also known as Erk6 or SAPK3), and δ (also known as SAPK4) have been identified. Similar to the SAPK/JNK pathway, p38 MAPK is activated by a variety of cellular stresses including osmotic shock, inflammatory cytokines, lipopolysaccharide (LPS), UV light, and growth factors (1-5). MKK3, MKK6, and SEK activate p38 MAPK by phosphorylation at Thr180 and Tyr182. Activated p38 MAPK has been shown to phosphorylate and activate MAPKAP kinase 2 and to phosphorylate the transcription factors ATF-2, Max, and MEF2. SB203580 (4-(4-fluorophenyl)-2-(4-methylsulfinylphenyl)-5-(4-pyridyl)-imidazole) is a selective inhibitor of p38 MAPK. This compound inhibits the activation of MAPKAPK-2 by p38 MAPK and subsequent phosphorylation of HSP27. SB203580 inhibits p38 MAPK catalytic activity by binding to the ATP-binding pocket, but does not inhibit phosphorylation of p38 MAPK by upstream kinases.

PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340317	Phospho-RPS6KA5 (Ser376) Polyclonal	20μL	WB, IF, ELISA	Human,	Rabbit
	Antibody			Mouse	
A340303	Phospho-P38 (Thr180/Tyr182)	20μL	WB, IHC, ELISA	Human,	Rabbit
	Polyclonal Antibody			Mouse, Rat	
A340253	Phospho-MAP2K3 (Ser218) Polyclonal	20μL	WB, IHC, ELISA	Human,	Rabbit
	Antibody			Mouse, Rat	
A340194	Phospho-ATF2 (Thr71) Polyclonal	20μL	WB, IHC, IP, ELISA	Human,	Rabbit
	Antibody			Mouse, Rat	
A340239	Phospho-HSP27 (Ser82) Polyclonal	20μL	WB, IHC, ELISA	Human,	Rabbit
	Antibody			Mouse, Rat	
A1013s	Goat Anti-Rabbit IgG (H+L)	120μL	WB, ELISA	Rabbit	Goat
	(peroxidase/HRP conjugated)			Nannii	



PRODUCT USE LIMITATION

These products are intended for research use only.

