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Mitogen-activated protein kinase 1

Cat. No.:	HY-P3031	
CAS No.:	137632-08-7	
Target:	p38 MAPK; NF-κB	
Pathway:	MAPK/ERK Pathway; NF-κB	Mitogen-activated protein kinase 1
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

Mitogen-activated protein kinase 1 (MAPK1) can activate the downstream p38/NF-κB pathway. Mitogen-activated protein kinase 1 can regulate cellular processes in various sepsis-associated diseases. MAPK-catalyzed phosphorylation of substrate proteins functions as a switch to turn on or off the activity of the substrate protein^[1].

REFERENCES

- [1]. Haixia Wang, et al. LncRNA KCNQ1OT1 (potassium voltage-gated channel subfamily Q member 1 opposite strand/antisense transcript 1) aggravates acute kidney injury by activating p38/NF-κB pathway via miR-212-3p/MAPK1 (mitogen-activated protein kinase 1) axis in sepsis. *Bioengineered*. 2021 Dec;12(2):11353-11368.
- [2]. Gary L Johnson, et al. Mitogen-activated protein kinase pathways mediated by ERK, JNK, and p38 protein kinases. *Science*. 2002 Dec 6;298(5600):1911-2.

Caution: Product has not been fully validated for medical applications. For research use only.

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