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

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

Mitogen-activated protein kinase 1

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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA