

#T40075

P38 mAb

- 50 μ l
- 100 μ l
- 200 μ l



Orders ■ 400-6123-828
orders@ab-mart.com

Web ■ www.ab-mart.com.cn

DESCRIPTION

Mitogen-activated protein kinase 14, also called p38- α , is an enzyme that in humans is encoded by the MAPK14 gene. MAPK14 encodes p38 α mitogen-activated protein kinase (MAPK) which is the prototypic member of the p38 MAPK family. p38 MAPKs are also known as stress-activated serine/threonine-specific kinases (SAPKs). p38 α MAPK is implicated in diverse cellular function, from gene expression to programmed cell death through a network of signaling molecules and transcription factors.

SOURCE

This Abmart monoclonal antibody is produced by immunizing animals with a polypeptide (Abmart SEAL mAb technology) corresponding to P38 protein.

STORAGE

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze/thaw cycle.

ALIASES

MAP kinase 14, MAPK 14, Cytokine suppressive anti-inflammatory drug-binding protein, CSAID-binding protein, CSBP, MAP kinase MXI2, MAX-interacting protein 2, Mitogen-activated protein kinase p38 alpha, MAP kinase p38 alpha, Stress-activated protein kinase 2a, SAPK2a, CSBP

REACTIVITY

Human, Mouse, Rat

ISOTYPE

Rabbit IgG

PREDICTED MOLECULAR WEIGHT

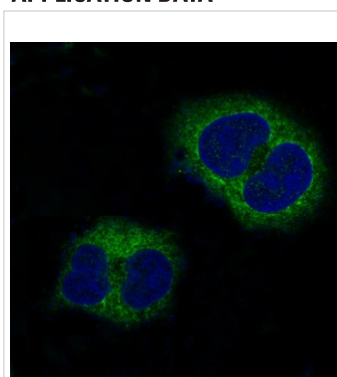
42 kDa

RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:500-1:2000
ICC/IF	1:50-1:200
IP	1:50
FC	1:30
CHIP	1:50

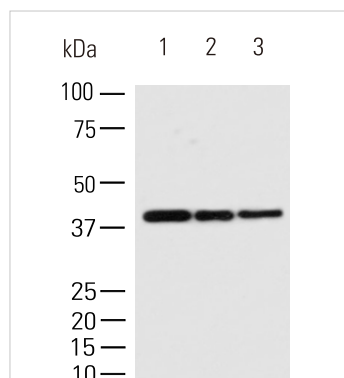
***For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

APPLICATION DATA



Immunofluorescent analysis of HeLa cells, using P38 mAb

Immunofluorescence-Anti-P38 mAb (#T40075)



Western blot-Anti-P38 mAb (#T40075)

All lanes : P38 mAb

Lane 1 : HeLa cell lysate

Lane 2 : NIH/3T3cell lysate

Lane 3 : PC-12 cell lysate

Secondary

Goat Anti-Rabbit IgG-HRP, 5% skim milk conjugated at 1/10000 dilution

Predicted band size : 42 kDa

Observed band size : 42 kDa

Blocking/Dilution buffer : 1 \times PBS.

COMPANION PRODUCTS

- #T40069 GSK3 beta mAb
- #T40070 Phospho-GSK3 beta (Ser9) mAb
- #T40071 ERK1/2 mAb
- #T40072 Phospho-Erk1 (T202/Y204)+ Erk2 (T185/Y187) mAb
- #T40073 JNK1/2/3 mAb
- #T40074 p-JNK1/2/3 (Thr183+Tyr185) pAb
- #T40076 Phospho-p38 (Thr180/Tyr182) pAb

Applications Key: WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.