

MAPK3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4719
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human MAPK3 expressed in E. Coli.
Mol wt	44kDa
Species reactivity	Human,Mouse,Rat,Monkey
Clonality	Monoclonal
Recommended application	WB,IHC,ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	ERK1;PRKM3;P44ERK1;P44MAPK;HS44KDAP;HUMKER1A;MGC20180

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

Recommended Dilution

WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

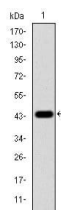
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

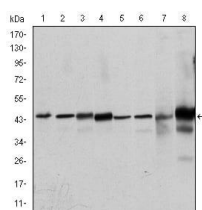
ELISA: 1:10000

Not yet tested in other applications.

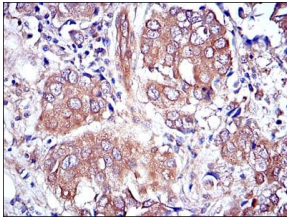
Images



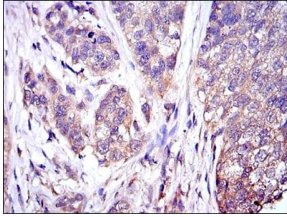
Western blot analysis using MAPK3 mAb against human MAPK3 (AA: 9-143) recombinant protein.
(Expected MW is 40.8 kDa)



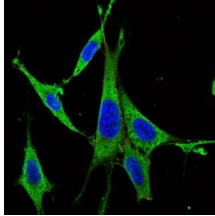
Western blot analysis using MAPK3 mouse mAb against HeLa (1), Jurkat (2), RAW264.7 (3), HEK293 (4), K562 (5), NIH/3T3 (6), Cos7 (7) and PC-12 (8) cell lysate.



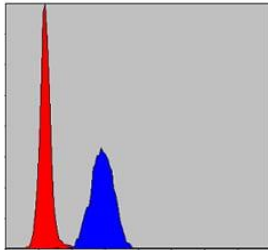
Immunohistochemical analysis of paraffin-embedded breast cancer tissues using MAPK3 mouse mAb with DAB staining.



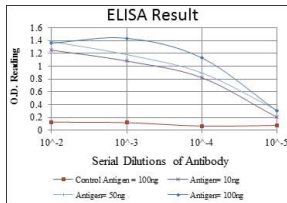
Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using MAPK3 mouse mAb with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using MAPK3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using MAPK3 mouse mAb (blue) and negative control (red).



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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