

MAPK3 monoclonal antibody

Catalog: MB21518

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

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.

Product:

Ascitic fluid containing 0.03% sodium azide.

Molecular Weight:

44kDa

Swiss-Prot:

P27361

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000
FC:1/200 - 1/400

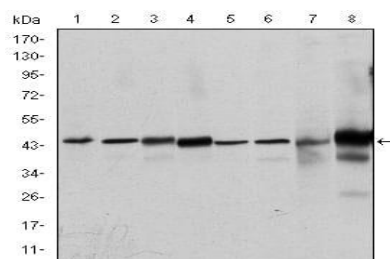
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

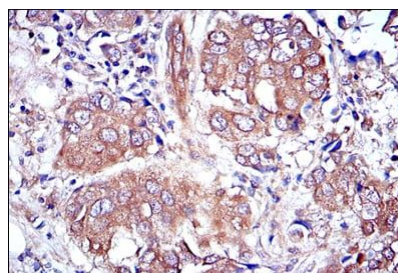
Isotype:

Mouse IgG1

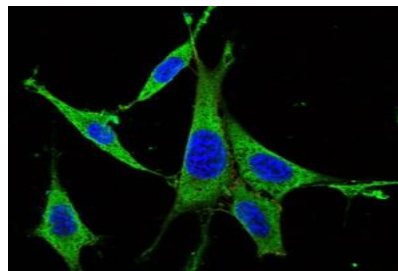
DATA:



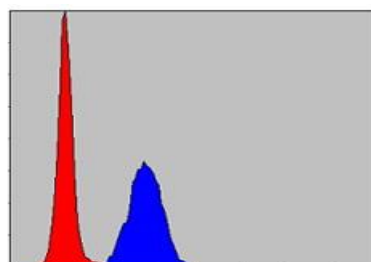
Western blot analysis using MAPK3 mouse mAb against HeLa (1), Jurkat (2), RAW264.7 (3), HEK293 (4), K562 (5), NIH/3T3 (6), Cos7 (7) and PC-12 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast 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.



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PRODUCT DATA SHEET

Bioworld Technology, Inc.

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

Note:

For research use only, not for use in diagnostic procedure.

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