

MEK2 Monoclonal Antibody (7F5)

Catalog NumberMA5-15600

Product data sheet

| Details | | Species Reactivity | |
|--------------------|--|--|-------------------|
| Size | 100 µL | Species reactivity | Human, Mouse, Rat |
| Host/Isotope | Mouse / IgG1 | Tested Applications | Dilution * |
| Class | Monoclonal | | |
| Type | Antibody | | |
| Clone | 7F5 | | |
| Immunogen | Purified recombinant fragment of human MAP2K2 expressed in E. Coli. | | |
| Conjugate | Unconjugated | ELISA (ELISA) | 1:10,000 |
| Form | Liquid | Flow Cytometry (Flow) | 1:200-1:400 |
| Concentration | Conc. Not Determined | Western Blot (WB) | 1:500-1:2,000 |
| Storage buffer | ascites | Immunocytochemistry (ICC/IF) | 1:200-1:1,000 |
| Contains | 0.03% sodium azide | * Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls. | |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. | | |

Product specific information

MA5-15600 targets MAP2K2 in indirect ELISA, FACS, IF, and WB applications and shows reactivity with Human, mouse, and Rat samples. The MA5-15600 immunogen is purified recombinant fragment of human MAP2K2 expressed in E. Coli. MA5-15600 detects MAP2K2 which has a predicted molecular weight of approximately 44kDa.

Background/Target Information

MAP2K2 (MEK2) is a dual specificity serine/threonine kinase that is known to play a critical role in mitogen growth factor signal transduction. Mitogen activated protein kinase 2 (MEK2 or MAPKK2) is a member of a family of tyrosine/threonine protein kinases that activate the ERK1 and 2 and MAPK enzymes by phosphorylating both residues within the threonine/glutamate/tyrosine (TEY) motif in the activation loop. MEK1 and 2 are also activated by dual phosphorylation, which occurs on serine 218 and 222, in the activation loop of the MEK. Threonine 292 of MEK1 is phosphorylated by ERK 2, which serves as a negative feedback loop by suppressing activation of MEK1.

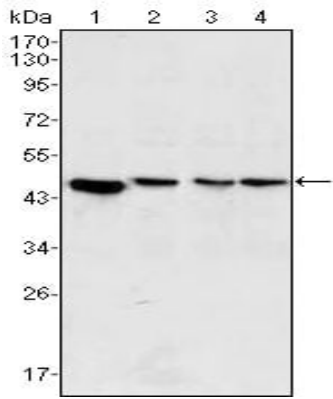
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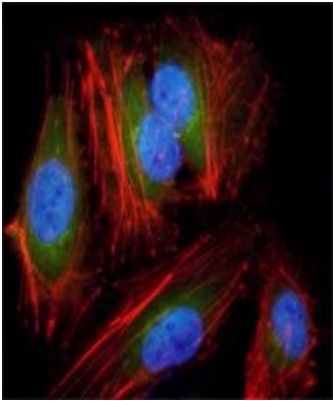
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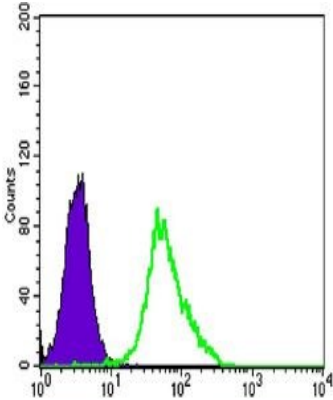
Product Images For MEK2 Monoclonal Antibody (7F5)



MEK2 Antibody (MA5-15600) in WB
Western blot analysis of MAP2K2 using MAP2K2 monoclonal antibody (Product # MA5-15600) in PC-12 (1), Jurkat (2), HeLa (3) and NIH/3T3 (4) cell lysate.



MEK2 Antibody (MA5-15600) in ICC/IF
Immunofluorescence analysis of HeLa cells using MAP2K2 monoclonal antibody (Product # MA5-15600) (Green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with DY-554 phalloidin.



MEK2 Antibody (MA5-15600) in Flow
Flow cytometric analysis of HeLa cells using MAP2K2 monoclonal antibody (Product # MA5-15600) (green) and negative control (purple).

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