10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# MEKK2 Rabbit mAb

Catalog # AP75710

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, FC, IP |
| **Primary Accession** | Q9Y2U5 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Monoclonal Antibody |
| **Isotype** | IgG |
| **Conjugate** | Unconjugated |
| **Purification** | Affinity Purified |
| **Calculated MW** | 69741 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 10746 |
| **Other Names** | MAP3K2 |
| **Dilution** | WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100 IP~~1:20-1:50 |
| **Format** | Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA. |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

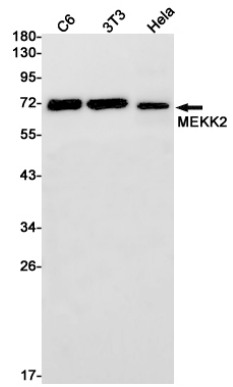
| | |
|---|---|
| **Name** | MAP3K2 |
| **Synonyms** | MAPKKK2, MEKK2 |
| **Function** | Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and- run dynamics. |
| **Cellular Location** | Cytoplasm. Nucleus. Note=Upon EGF stimulation, translocates into the nucleus |

## Background

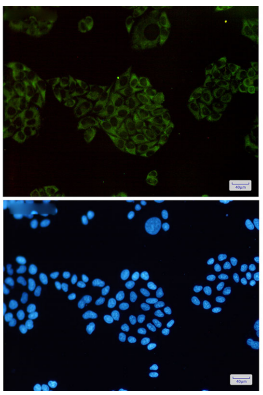
The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been

shown to directly phosphorylate and activate Ikappa B kinases, and thus plays a role in NF-kappa B signaling pathway. This kinase has also been found to bind and activate protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process.

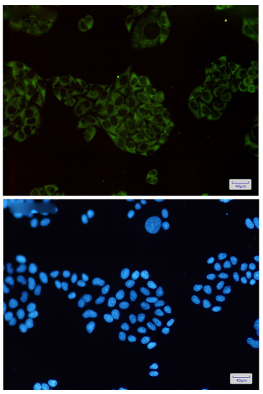
## Images

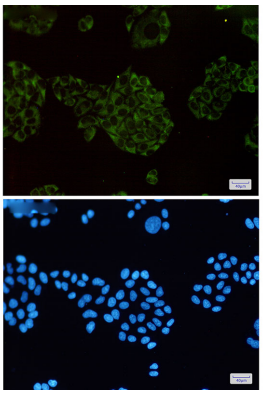


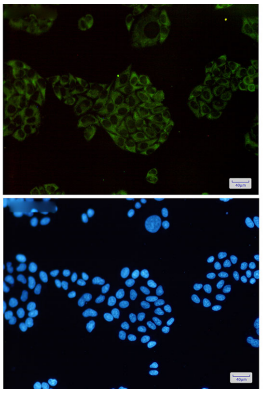

Western blot analysis of MEKK2 in C6, 3T3, Hela lysates using MEKK2 antibody.



Immunocytochemistry analysis of MEKK2(green) in Hela using MEKK2 antibody,and DAPI(blue)







Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.