

# [KO Validated] MAPKAPK3 Rabbit pAb

Catalog No.: A18095 **KO Validated**

## Basic Information

**Observed MW**

38kDa

**Calculated MW**

43kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**Cross-Reactivity**

Human, Mouse, Rat

## Background

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

**Gene ID**

7867

**Swiss Prot**

Q16644

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-240 of human MAPKAPK3 (NP\_004626.1).

**Synonyms**

3PK; MK3; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3; K3

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

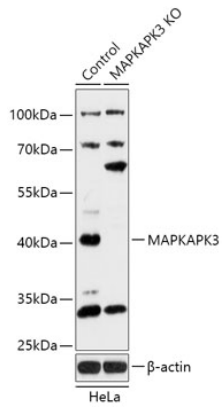
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from wild type (WT) and MAPKAPK3 knockout (KO) HeLa cells, using [KO Validated] MAPKAPK3 Rabbit pAb (A18095) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.