

## Product datasheet for **TA347663**

### MAPKAP Kinase 3 (MAPKAPK3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MAPK3 Antibody: A synthesized peptide derived from human MAPK3
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20?. Stable for 12 months from date of receipt
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42 kDa
Gene Name:	mitogen-activated protein kinase-activated protein kinase 3
Database Link:	<a href="#">NP_004626</a> <a href="#">Entrez Gene 102626 Mouse</a> <a href="#">Entrez Gene 315994 Rat</a> <a href="#">Entrez Gene 7867 Human</a> <a href="#">Q16644</a>



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**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.

**Synonyms:**

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

**Note:**

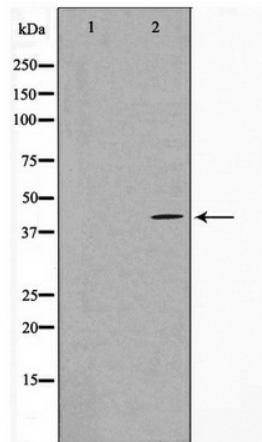
MAPK3 Antibody detects endogenous levels of MAPK3

**Protein Families:**

Druggable Genome, Protein Kinase

**Protein Pathways:**

MAPK signaling pathway, VEGF signaling pathway

**Product images:**

Western blot analysis on COLO205 cell lysate using MAPK3 Antibody