

## Product datasheet for **AP06739PU-N**

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

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 289-341 of Human MAPKAPK-3.
Specificity:	This antibody detects endogenous levels of 3pK protein. (region surrounding Arg319)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 42 kDa
Gene Name:	mitogen-activated protein kinase-activated protein kinase 3
Database Link:	<a href="#">Entrez Gene 7867 Human Q16644</a>



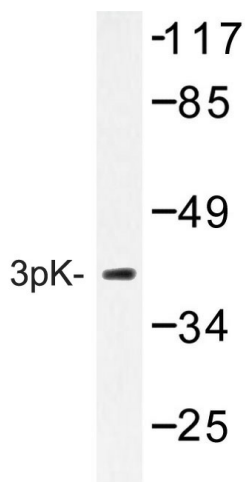
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**Background:**

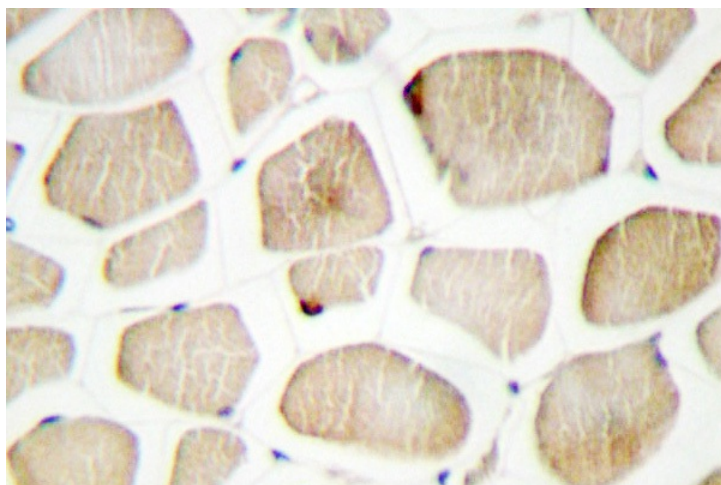
The MAPKAP kinases (for MAP kinase activated protein kinases) are a group of MAP kinase substrates which are themselves kinases. In response to activation, the MAP kinases phosphorylate downstream components on a consensus Pro-X-Ser/Thr-Pro motif. Several kinases that contain this motif have been identified and serve as substrates for the ERK and p38 MAP kinases. These include the serine/threonine kinases Rsk-1 (also designated MAPKAP kinase-1), Rsk-2 and Rsk-3, which are phosphorylated by ERK 1 and ERK 2. Similarly, p38 phosphorylates and activates the serine/threonine kinases MAPKAPK-2 and MAPKAPK-3 (also designated 3pK). The serine/threonine kinases Mnk1 and Mnk2 are substrates for both ERK and p38 MAP kinases.

**Synonyms:**

MAPK-activated protein kinase 3, MAPKAPK-3, MAPKAPK3

**Product images:**


Western blot (WB) analysis of 3pK antibody in extracts from COLO205 cells.



Immunohistochemistry (IHC) analyzes of 3pK antibody in paraffin-embedded human skeletal muscle tissue.