

Product datasheet for **TA370884**

MAPKAP Kinase 3 (MAPKAPK3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: HT-29 and HepG2 cell lysates IHC: 100-300 Positive control: Human colorectal cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human MAPKAPK3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	43 kDa
Gene Name:	mitogen-activated protein kinase-activated protein kinase 3
Database Link:	Entrez Gene 7867 Human Q16644



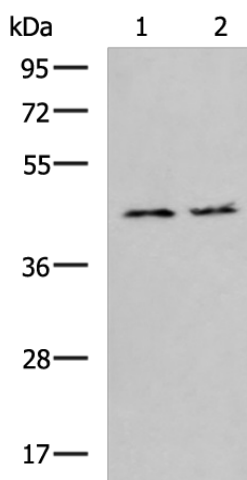
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Background:

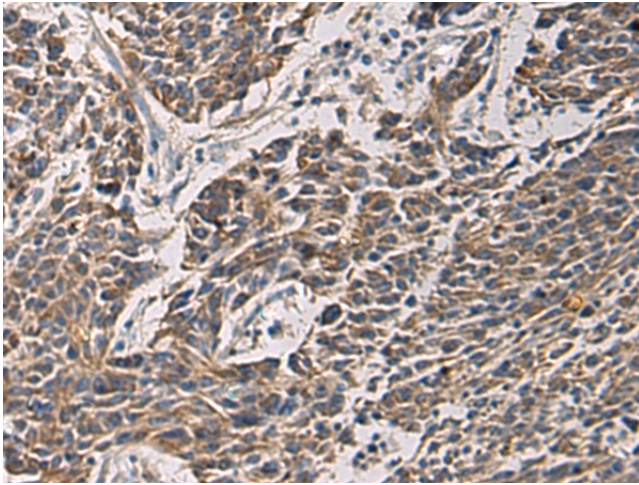
This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)- activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. 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. Alternate splicing results in multiple transcript variants that encode the same protein.

Synonyms:

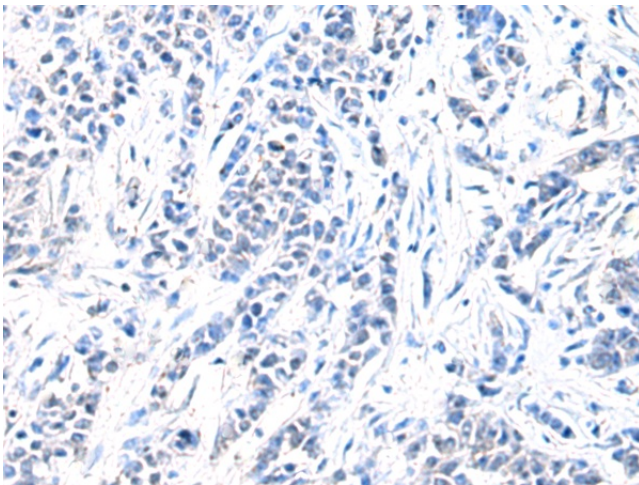
3PK; MAPKAP3; MAPKAPK-3; OTTHUMP00000210806

Product images:

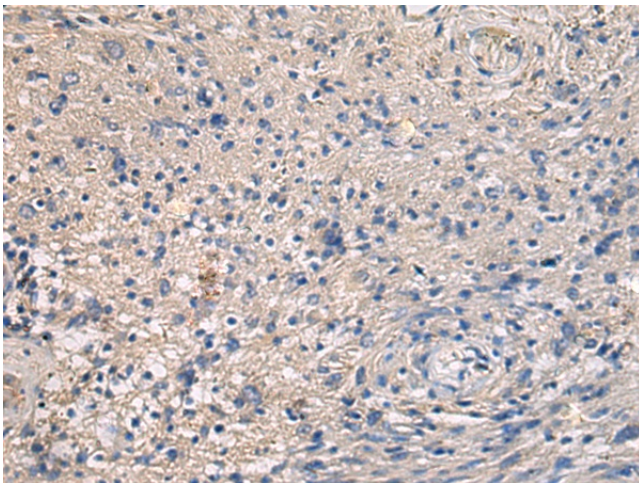
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: HT-29 and HepG2 cell lysates
Primary antibody: TA370884 (MAPKAPK3 Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 1 minute



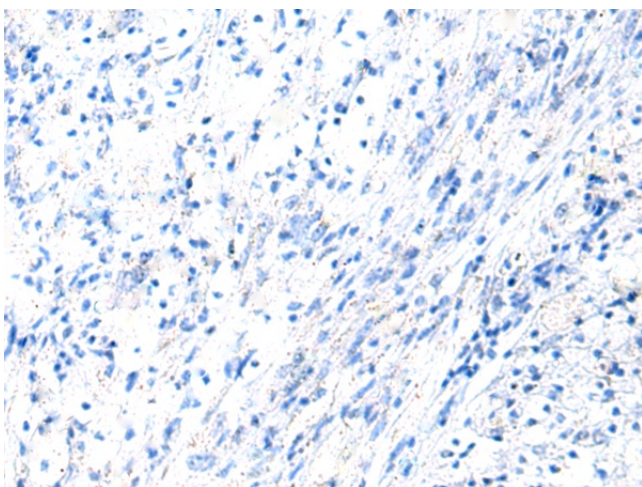
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA370884 (MAPKAPK3 Antibody) at dilution 1/95 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA370884 (MAPKAPK3 Antibody) at dilution 1/95, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA370884 (MAPKAPK3 Antibody) at dilution 1/95 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA370884 (MAPKAPK3 Antibody) at dilution 1/95, treated with fusion protein. (Original magnification: $\times 200$)