

MAPKAPK3 RABBIT PAB

Cat.#: S219367

Product Name: Anti-MAPKAPK3 Rabbit Polyclonal Antibody

Synonyms: 3PK; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3

UNIPROT ID: Q16644 (Gene Accession - BC001662)

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.

Immunogen: Fusion protein of human MAPKAPK3

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

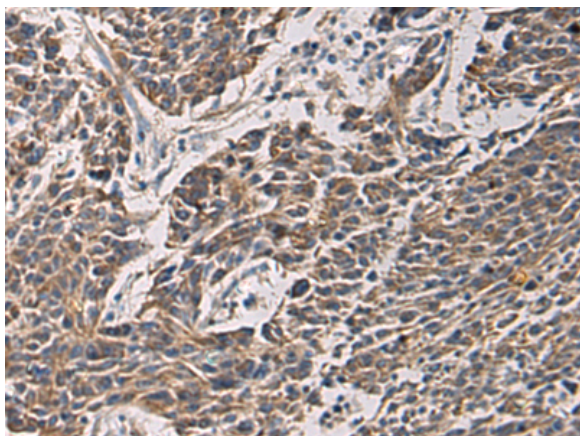
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

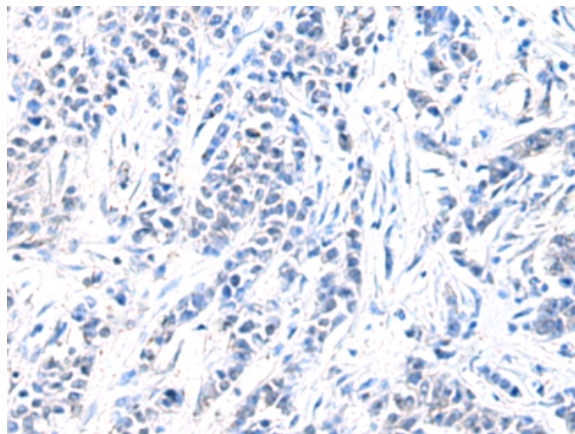
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction

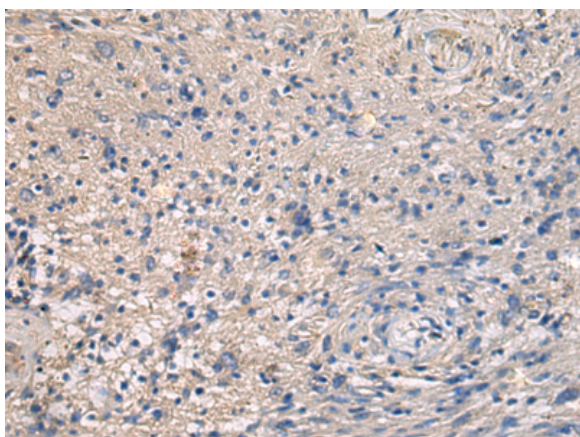
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



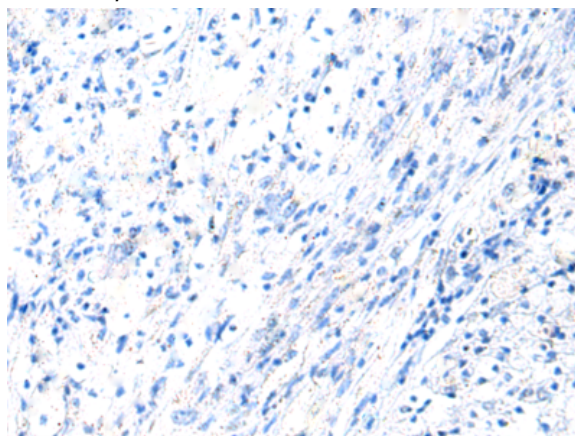
Immunohistochemistry analysis of paraffin embedded Human colorectal cancer tissue using 219367(MAPKAPK3 Antibody) at a dilution of 1/95(Cytoplasm).



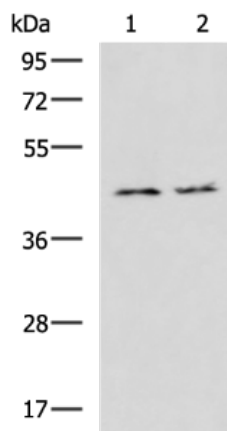
In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 219367(Anti-MAPKAPK3 Antibody) at dilution 1/95.



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using 219367(Anti-MAPKAPK3 Antibody) at a dilution of 1/95.



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with fusion protein and then with D226555(Anti-MAPKAPK3 Antibody) at dilution 1/95.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-2: HT-29 and HepG2 cell lysates;
Primary antibody: 219367(MAPKAPK3 Antibody) at dilution 1/800;
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
Exposure time: 1 minute

