

## MAP2K3 RABBIT PAB

**Cat.#:** S216701

**Product Name:** Anti-MAP2K3 Rabbit Polyclonal Antibody

**Synonyms:** MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2

**UNIPROT ID:** P46734 (Gene Accession - BC032478 )

**Background:** The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.

**Immunogen:** Fusion protein of human MAP2K3

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

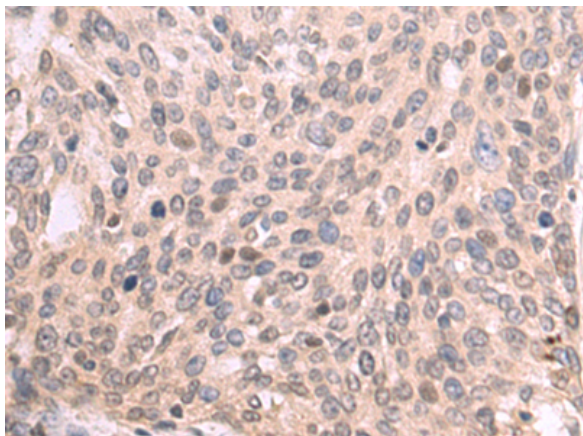
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

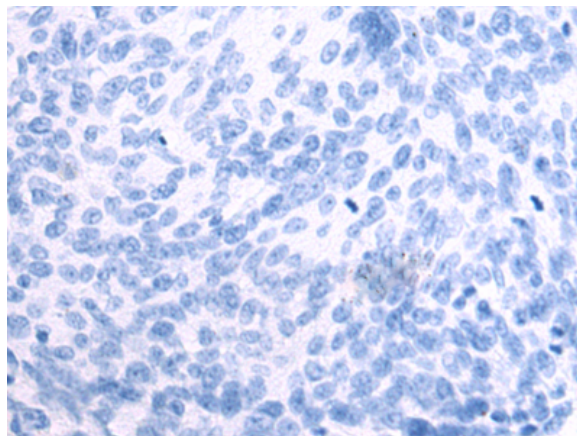
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Epigenetics and Nuclear Signaling, Immunology

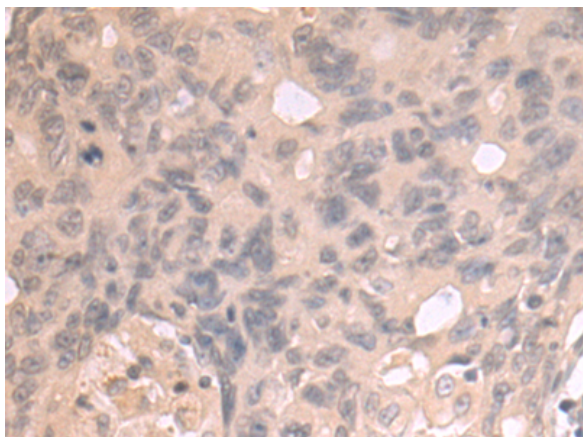
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



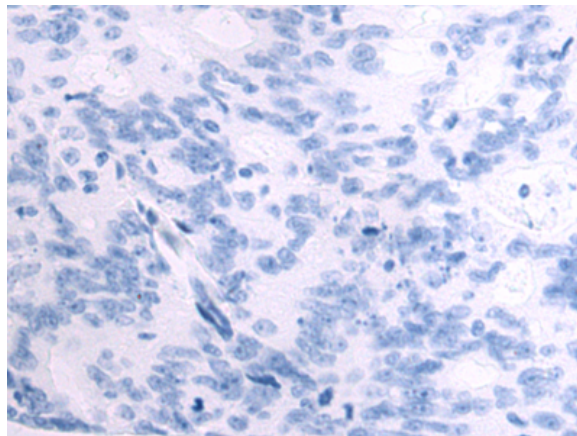
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 216701(MAP2K3 Antibody) at a dilution of 1/80(Cytoplasm and Nucleus).



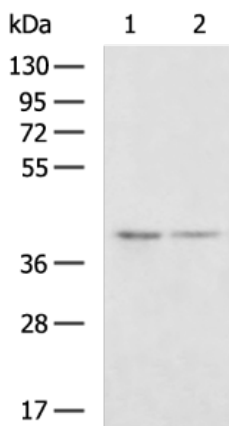
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 216701(Anti-MAP2K3 Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 216701(Anti-MAP2K3 Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with fusion protein and then with D221082(Anti-MAP2K3 Antibody) at dilution 1/80.



Gel: 8%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-2: HeLa and Raji cell lysates;  
 Primary antibody: 216701(MAP2K3 Antibody) at dilution 1/550;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 10 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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