

## MAPK9 RABBIT PAB

**Cat.#:** S219874

**Product Name:** Anti-MAPK9 Rabbit Polyclonal Antibody

**Synonyms:** JNK2, SAPK, p54 $\alpha$ , JNK2A, JNK2B, PRKM9, JNK-55, SAPK1 $\alpha$ , JNK2BETA, p54 $\alpha$ SAPK, JNK2ALPHA

**UNIPROT ID:** P45984 (Gene Accession - NP\_620707)

**Background:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

**Immunogen:** Synthetic peptide of human MAPK9

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

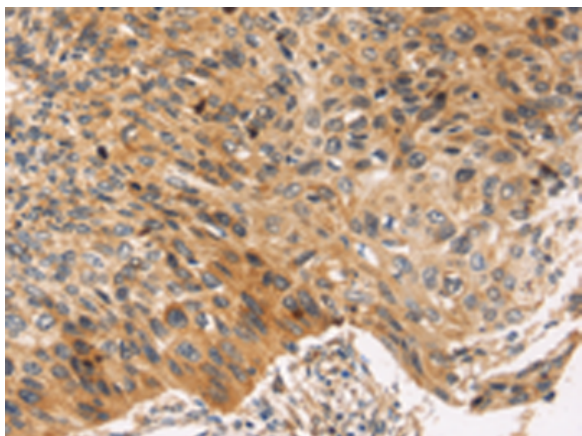
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

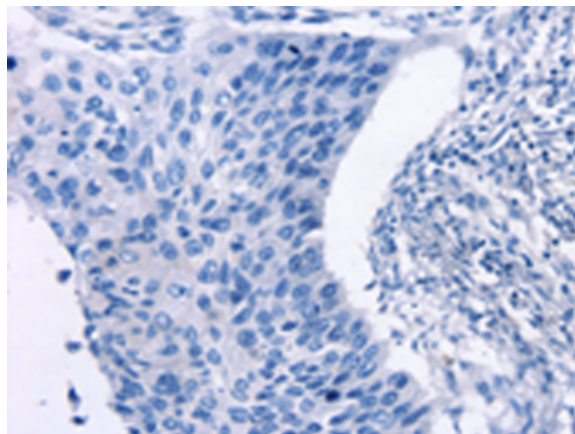
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Cancer, Immunology

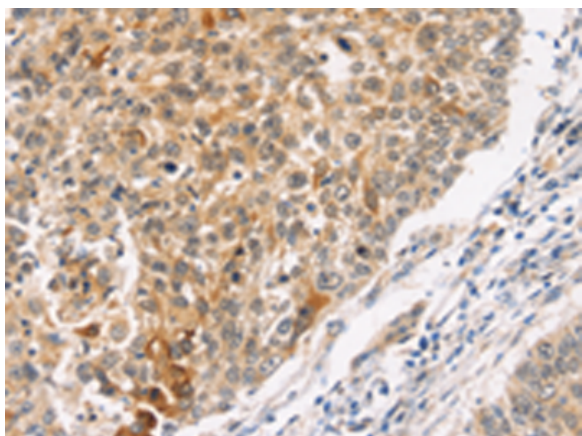
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



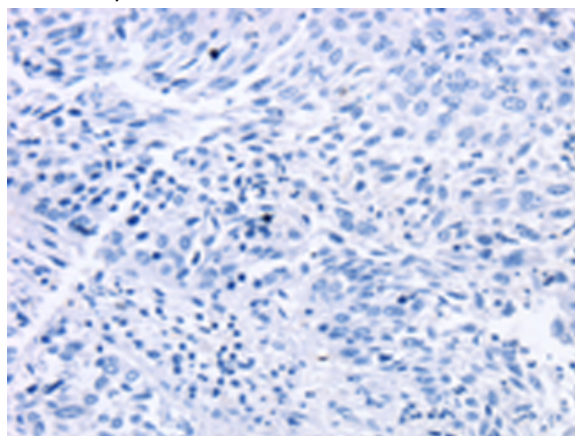
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 219874(MAPK9 Antibody) at a dilution of 1/30(Cytoplasm).



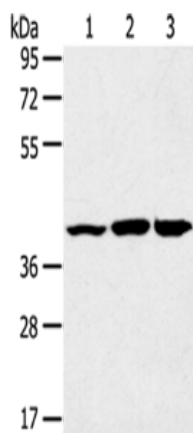
In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the synthetic peptide and then with 219874(Anti-MAPK9 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 219874(Anti-MAPK9 Antibody) at a dilution of 1/30.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with synthetic peptide and then with D260527(Anti-MAPK9 Antibody) at dilution 1/30.



Gel: 8%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane 1-3: Raw264.7 cells, Mouse brain tissue, Mouse heart tissue;  
Primary antibody: 219874(MAPK9 Antibody) at dilution 1/200;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 5 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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