

## MAPK3 RABBIT PAB

**Cat.#:** S219765

**Product Name:** Anti-MAPK3 Rabbit Polyclonal Antibody

**Synonyms:** ERK1, ERT2, ERK-1, PRKM3, P44ERK1, P44MAPK, HS44KDAP, HUMKER1A, p44-ERK1, p44-MAPK

**UNIPROT ID:** P27361 (Gene Accession - NP\_002737 )

**Background:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

**Immunogen:** Synthetic peptide of human MAPK3

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 20-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

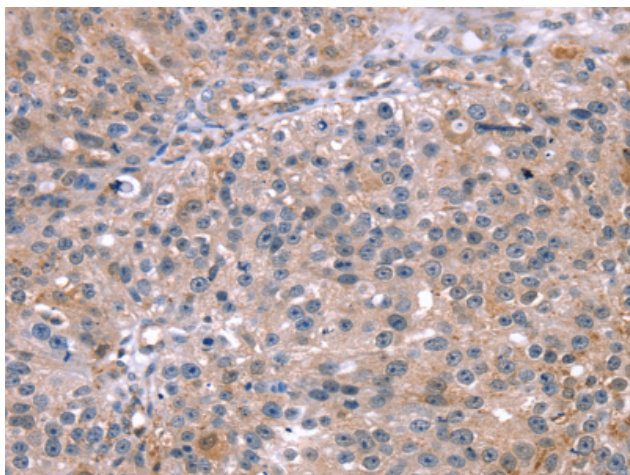
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

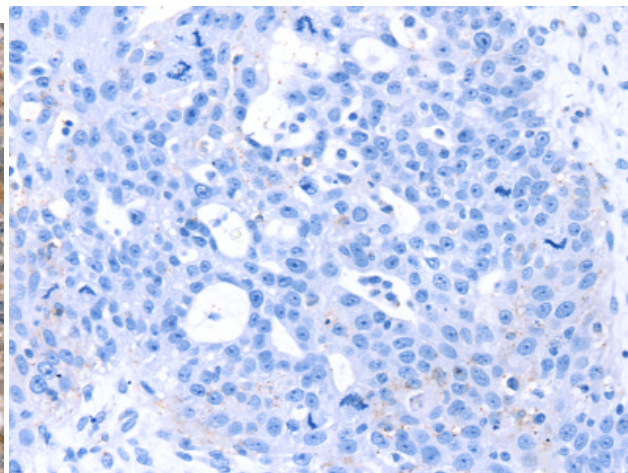
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

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

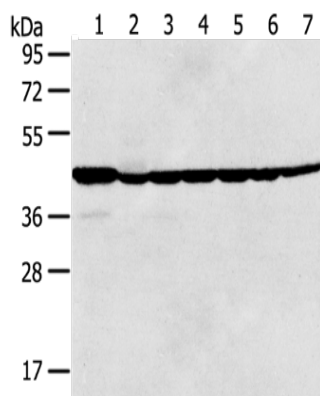
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 219765 (MAPK3 Antibody) at a dilution of 1/20 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 219765 (Anti-MAPK3 Antibody) at dilution 1/20.



Gel: 8% SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane 1-7: A375, A549, Hela, HepG2, A431, Iovo and 231 cell;  
 Primary antibody: 219765 (MAPK3 Antibody) at dilution 1/300;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 5 minutes