

## KCNMB3 RABBIT PAB

**Cat.#:** S220651

**Product Name:** Anti-KCNMB3 Rabbit Polyclonal Antibody

**Synonyms:** HBETA3; KCNMB2; KCNMBL; BKBETA3; SLOBETA3; SLO-BETA-3; K(VCA)BETA-3

**UNIPROT ID:** Q9NPA1 (Gene Accession - NP\_055222 )

**Background:** MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which may partially inactivate or slightly decrease the activation time of MaxiK alpha subunit currents. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 22.

**Immunogen:** Synthetic peptide of human KCNMB3

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

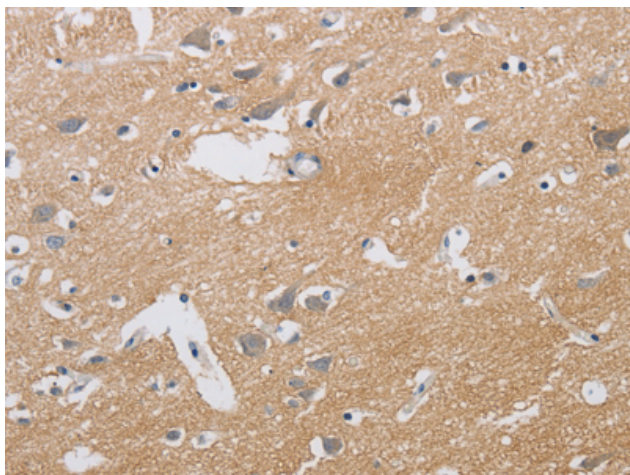
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

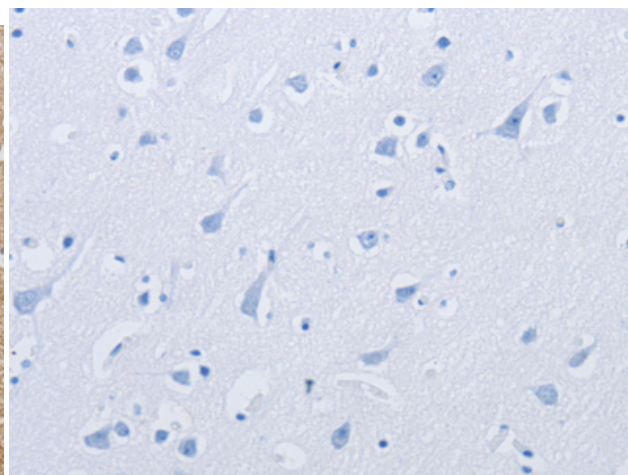
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism, Neuroscience

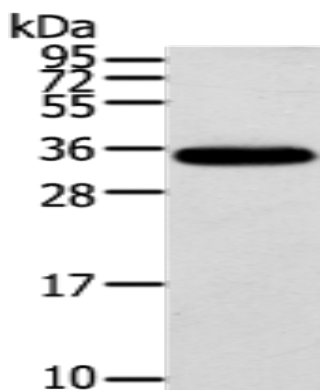
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human brain tissue using 220651(KCNMB3 Antibody) at a dilution of 1/40(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 220651(Anti-KCNMB3 Antibody) at dilution 1/40.



Gel: 12%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane: Mouse brain tissue;  
Primary antibody: 220651(KCNMB3 Antibody) at dilution 1/300;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 5 seconds