

## Phospho-KCNQ2/3/4/5 (Thr217/Thr246/Thr223/Thr251) poly-clonal antibody

Catalog: BZ16487

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in KCNQ2 are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene.

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

### Molecular Weight:

-

### Swiss-Prot:

O43526/O43525/P56696/Q9NR82

### Purification&Purity:

Affinity Purified

### Applications:

IHC: 1/50-1/100 ELISA: 1/10000

### Storage&Stability:

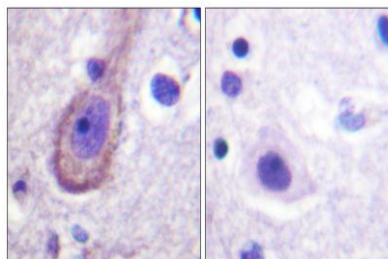
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

IgG

### DATA:

EnzymeLinked Immunosorbent Assay for Immunogen Phospho-peptide and NonPhospho-peptide, using Kv7.3/KCNQ3 (Phospho-Thr24) antibody



Immunohistochemical analysis of paraffin-embedded Human tonsils using Phospho-KCNQ2/3/4/5 antibody. Sample with blocking peptide on the right. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

### Note:

For research use only, not for use in diagnostic procedure.

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