

Kv3.4 (Phospho Ser15) Rabbit pAb

CatalogNo: YP1157

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- IHC, IF, ELISA

MW

- 70kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

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

Recommended Dilution Ratios

IHC 1:100-1:300

IF 1:200-1:1000

ELISA 1:5000

Not yet tested in other applications.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho-peptide around the phosphorylation site of human Kv3.4 (phospho Ser15)

Specificity Phospho-Kv3.4 (S15) Polyclonal Antibody detects endogenous levels of Kv3.4 protein only when phosphorylated at S15. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RKSGN

| Target Information

Gene name KCNC4

Protein Name Potassium voltage-gated channel subfamily C member 4

Organism	Gene ID	UniProt ID
Human	3749;	Q03721;
Mouse	99738;	Q8R1C0;

Cellular Localization Membrane; Multi-pass membrane protein.

Tissue specificity Brain,

Function Domain: The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position. Domain: The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments. Function: This protein mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient. PTM: Phosphorylation of serine residues in the inactivation gate inhibits rapid channel closure. Similarity: Belongs to the potassium channel family. C (Shaw) subfamily. Subunit: Homotetramer (Probable). Heterotetramer of potassium channel proteins.

| Validation Data

| Contact information

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Ser15) Rabbit pAb**

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