

## CACNA1E polyclonal antibody

Catalog: BS60267

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Voltage-dependent Ca<sup>2+</sup> channels mediate Ca<sup>2+</sup> entry into excitable cells in response to membrane depolarization, and they are involved in a variety of Ca<sup>2+</sup>-dependent processes, including muscle contraction, hormone or neurotransmitter release and gene expression. Calcium channels are highly diverse, multimeric complexes composed of an  $\alpha$ -1 subunit, an intracellular  $\beta$ -subunit, a disulfide linked  $\alpha$ -2/ $\delta$ -subunit and a transmembrane  $\gamma$ -subunit. Ca<sup>2+</sup> currents are characterized on the basis of their biophysical and pharmacologic properties and include L-, N-, T-, P-, Q-, and R-types. R-type Ca<sup>++</sup> currents initiate a rapid synaptic transmission that is regulated through G proteins, SNARE proteins, and protein phosphorylation. R-type Ca<sup>++</sup> channels may partially regulate the secretory process in chromaffin cells by mediating rapid secretory responses evoked by short depolarizing pulses.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH 7.2

### Molecular Weight:

~ 262 kDa

### Swiss-Prot:

Q15878

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

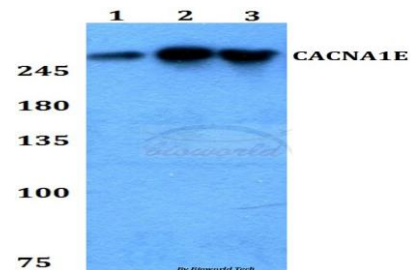
### Storage&Stability:

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

### Specificity:

CACNA1E polyclonal antibody detects endogenous levels of CACNA1E protein.

### DATA:



Western blot (WB) analysis of CACNA1E polyclonal antibody at 1:500 dilution

Lane 1: HEK293T whole cell lysate

Lane 2: Raw264.7 whole cell lysate

Lane 3: PC12 whole cell lysate

### Note:

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

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