

CACNA1C polyclonal antibody

Catalog: BS60266

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Voltage-dependent Ca^{++} channels mediate Ca^{++} entry-into excitable cells in response to membrane depolarization, and they are involved in a variety of Ca^{++} -dependent processes, including muscle contraction, hormone or neurotransmitter release and gene expression. Calcium channels are highly diverse, multimeric complexes composed of an α -1 subunit, an intracellular β -subunit, a disulfide linked α -2/ δ subunit and a transmembrane γ -subunit. Ca^{++} currents are characterized on the basis of their biophysical and pharmacologic properties and include L-, N-, T-, P-, Q-, and R-types. L-type Ca^{++} currents initiate muscle contraction, endocrine secretion, and gene transcription, and can be regulated through second-messenger activated protein phosphorylation pathways. L-type calcium channels may form macromolecular signaling complexes with G protein-coupled receptors, thereby enhancing the selectivity of regulating specific targets.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 249 kDa

Swiss-Prot:

Q13936

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

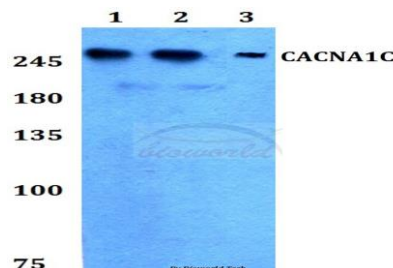
Storage&Stability:

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

Specificity:

CACNA1C polyclonal antibody detects endogenous levels of CACNA1C protein.

DATA:



Western blot (WB) analysis of CACNA1C polyclonal antibody at 1:500 dilution

Lane 1: HEK293T whole cell lysate

Lane 2: Raw264.7 whole cell lysate

Lane 3: H9C2 whole cell lysate

Note:

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

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