bs-3933R **[Primary Antibody]**

CACH6/Cav2.3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 777

Target: CACH6/Cav2.3

Immunogen: KLH conjugated synthetic peptide derived from human Cav23: 1265-1360/2313. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Calcium channels mediate the influx of calcium ions into the cell following membrane polarisation. R-type calcium channels such as Cav2.3 belong to the "high voltage-activated" group and are blocked by nickel. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Each of these proteins exists as multiple isoforms, either encoded by different genes or arising from alternative splicing of transcripts. Cav2.3 is an alpha-1 subunit and has 24 transmembrane segments, which form the pore through which ions pass into the cell. Calcium channels containing the Cav2.3 subunit may be involved in the modulation of firing patterns of neurons, which is important for information processing.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig, Horse)

Predicted MW.: 262 kDa

Subcellular Location: Cell membrane