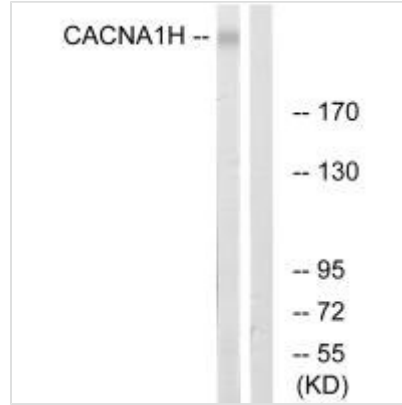




CACNA1H Antibody

| | |
|----------------------------|--|
| Product Code | CSB-PA154566 |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | O95180 |
| Immunogen | Synthesized peptide derived from internal of Human CACNA1H. |
| Raised In | Rabbit |
| Species Reactivity | Human, Mouse, Rat |
| Specificity | The antibody detects endogenous levels of total CACNA1H protein. |
| Tested Applications | ELISA, WB; WB: 1:500-1:3000 |
| Relevance | <p>Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. The isoform alpha-1H gives rise to T-type calcium currents. T-type calcium channels belong to the low-voltage activated (LVA) group and are strongly blocked by nickel and mibefradil. A particularity of this type of channels is an opening at quite negative potentials, and a voltage-dependent inactivation. T-type channels serve pacemaking functions in both central neurons and cardiac nodal cells and support calcium signaling in secretory cells and vascular smooth muscle. They may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes.</p> <p>Cribbs L.L., Circ. Res. 83:103-109(1998). Cribbs L.L., Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases. Williams M.E., J. Neurochem. 72:791-799(1999). "</p> |
| Form | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Alias | CAC1H; CACNA1HB; calcium channel; voltage-dependent; alpha 1H subunit |
| Product Type | Polyclonal Antibody |
| Species | Homo sapiens (Human) |
| Target Names | CACNA1H |
| Image | |



Western blot analysis of extracts from A549 cells, using CACNA1H antibody.