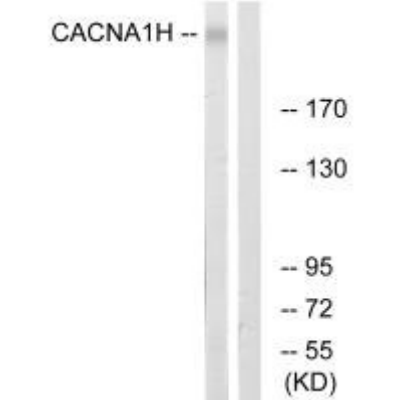
CACNA1H Antibody

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	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-1Hgives 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. 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). "
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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.