

CACNA1H Antibody

Catalog No: #46383

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

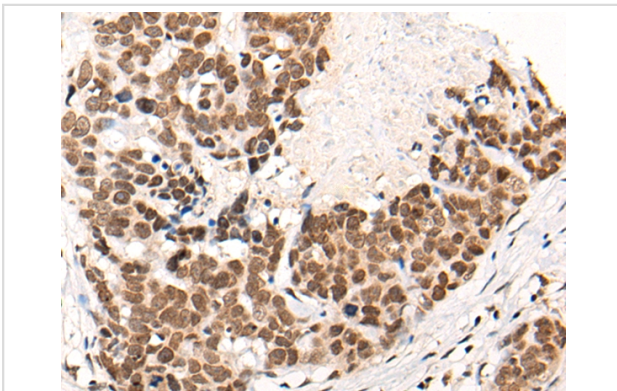
Description

Product Name	CACNA1H Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CACNA1H protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human CACNA1H
Target Name	CACNA1H
Other Names	ECA6; EIG6; Cav3.2; CACNA1HB
Accession No.	Swiss-Prot:O95180 NCBI Gene ID:8912NCBI Protein:NP_066921
Uniprot	O95180
GeneID	8912;
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

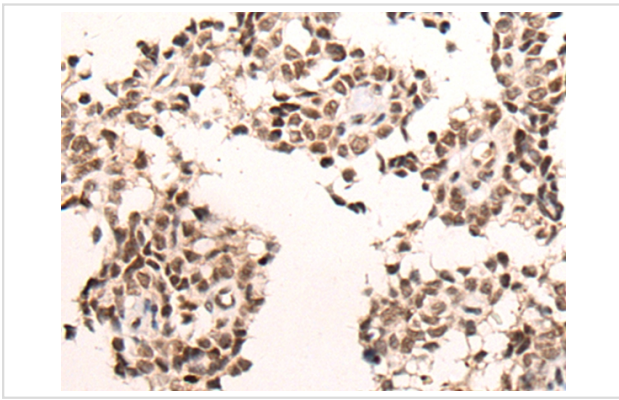
Application Details

Immunohistochemistry: 1: 25-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46383(CACNA1H Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 46383(CACNA1H Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

This gene encodes a T-type member of the alpha-1 subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. The alpha-1 subunit has 24 transmembrane segments and forms the pore through which ions pass into the cell. There are multiple isoforms of each of the proteins in the complex, either encoded by different genes or the result of alternative splicing of transcripts. Alternate transcriptional splice variants, encoding different isoforms, have been characterized for the gene described here. Studies suggest certain mutations in this gene lead to childhood absence epilepsy (CAE).?

Note: This product is for in vitro research use only