

CACNA1G Antibody

Catalog No: #37455

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

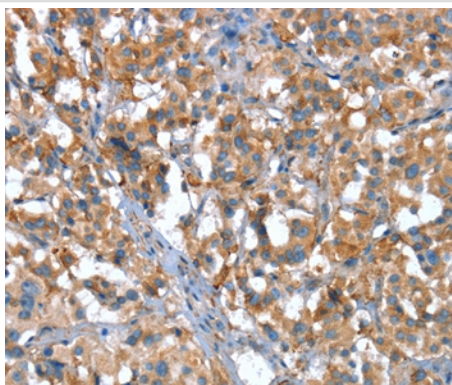
Description

Product Name	CACNA1G Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CACNA1G protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human calcium channel, voltage-dependent, T type, alpha 1G subunit
Target Name	CACNA1G
Other Names	NBR13; Cav3.1; Ca(V)T.1
Accession No.	Swiss-Prot#: O43497NCBI Gene ID: 8913Gene Accssion: NP_061496
Uniprot	O43497
GeneID	8913;
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

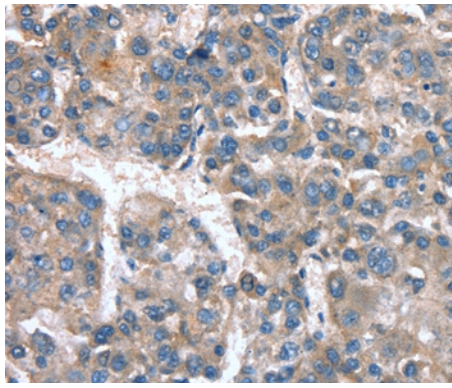
Application Details

Immunohistochemistry: 1:15-1:50

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37455 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #37455 at dilution 1/20.

Background

Voltage-dependent calcium channels 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, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas, the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1A subunit, which is predominantly expressed in neuronal tissue. Mutations in this gene are associated with 2 neurologic disorders, familial hemiplegic migraine and episodic ataxia 2.

Note: This product is for in vitro research use only