CACNA1 Antibody

Catalog No: #37452

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

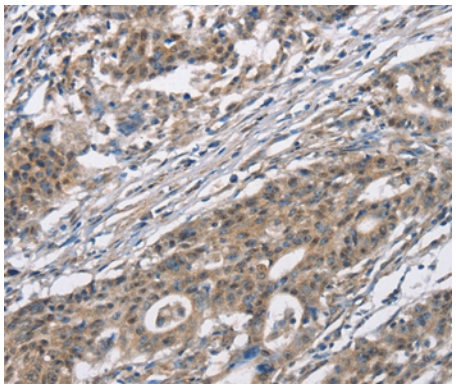
Description

Product Name	CACNA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CACNA1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human calcium channel, voltage-dependent, L type, alpha 1D subunit
Target Name	CACNA1
Other Names	CACH3; CACN4; PASNA; SANDD; Cav1.3; CCHL1A2; CACNL1A2
Accession No.	Swiss-Prot#: P54289NCBI Gene ID: 781Gene Accssion: NP_001122312
Uniprot	P54289
GeneID	781;
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

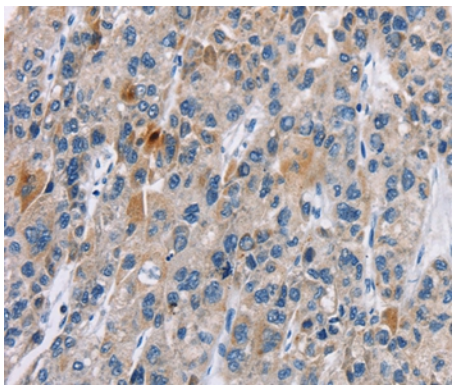
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #37452 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #37452 at dilution 1/30.

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, namely alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only