

## Rabbit anti-Human CACNA1C Polyclonal Antibody | anti-CACNA1C antibody

CACNA1C Antibody

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA306653</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

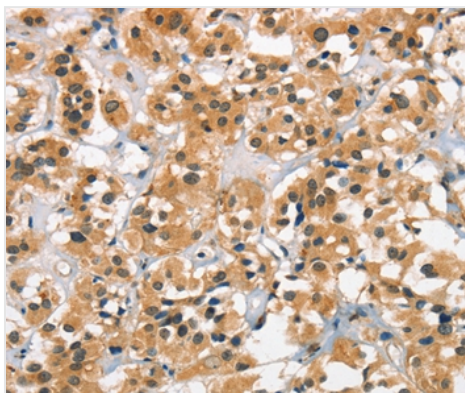
### PRODUCT SYNONYMS

CACNA1C; Polyclonal Antibody; CACNA1C Antibody; TS; LQT8; CACH2; CACN2; CaV1.2; CCHL1A1; CACNL1A1; anti-CACNA1C antibody

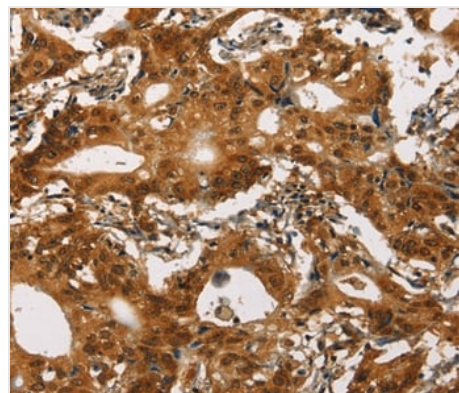
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                           |
| Reactivity                                        | Human                                                                                                                                            |
| Clonality                                         | Polyclonal                                                                                                                                       |
| Specificity                                       | The antibody detects endogenous levels of total CACNA1C protein.                                                                                 |
| Purity/Purification                               | Antigen affinity purification.                                                                                                                   |
| Form/Format                                       | Rabbit IgG in pH7.3 PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol.                                                                                  |
| Concentration                                     | 2.2 mg/ml (varies by lot)                                                                                                                        |
| Sequence Length                                   | 2138                                                                                                                                             |
| Applicable Applications for anti-CACNA1C antibody | IHC (Immunohistochemistry)                                                                                                                       |
| Immunogen Type                                    | Peptide                                                                                                                                          |
| Immunogen Description                             | Synthetic peptide corresponding to a region derived from internal residues of human calcium channel, voltage-dependent, L type, alpha 1C subunit |
| Target Name                                       | CACNA1C                                                                                                                                          |
| Preparation and Storage                           | Store at -20 degree C                                                                                                                            |

### IMAGES


**IHC (Immunohistochemistry)**

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


**IHC (Immunohistochemistry)**

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

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CACNA1C antibody | This gene encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins, either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by this gene binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins. Some of the predicted proteins may not produce functional ion channel subunits. |
| Product Categories/Family for anti-CACNA1C antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 120433602                                                                                      |
| NCBI GeneID                      | 775                                                                                            |
| NCBI Accession #                 | NP_000710.5                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000719.6                                                                                    |
| UniProt Accession #              | Q13936; Q13917; Q13918; Q13919; Q13920; Q13921; Q13922; Q13923; Q13924; Q13925; B2RUT3; E9PDJ0 |
| Molecular Weight                 | 239,704 Da                                                                                     |
| NCBI Official Full Name          | voltage-dependent L-type calcium channel subunit alpha-1C isoform 18                           |
| NCBI Official Synonym Full Names | calcium channel, voltage-dependent, L type, alpha 1C subunit                                   |
| NCBI Official Symbol             | CACNA1C                                                                                        |
| NCBI Official Synonym Symbols    | TS; LQT8; CACH2; CACN2; CaV1.2; CCHL1A1; CACNL1A1                                              |
| NCBI Protein Information         | voltage-dependent L-type calcium channel subunit alpha-1C                                      |
| UniProt Protein Name             | Voltage-dependent L-type calcium channel subunit alpha-1C                                      |
| UniProt Gene Name                | CACNA1C                                                                                        |
| UniProt Synonym Gene Names       | CACH2; CACN2; CACNL1A1; CCHL1A1                                                                |
| UniProt Entry Name               | CAC1C_HUMAN                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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