

Rabbit anti-Human CACNA1B Polyclonal Antibody | anti-CACNA1B antibody

CACNA1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243498	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

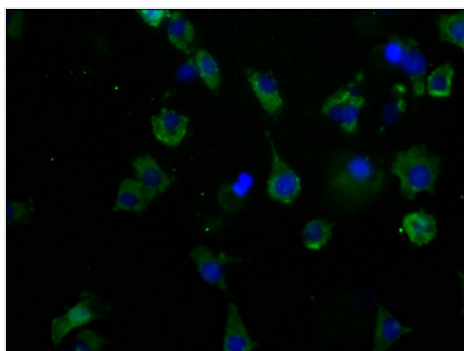
PRODUCT SYNONYMS

CACNA1B; Polyclonal Antibody; CACNA1B Antibody; Voltage-dependent N-type calcium channel subunit alpha-1B (Brain calcium channel III) (BIII) (Calcium channel; L type; alpha-1 polypeptide isoform 5) (Voltage-gated calcium channel subunit alpha Cav2.2); CACH5 CACNL1A5; anti-CACNA1B antibody

PRODUCT SPECIFICATIONS

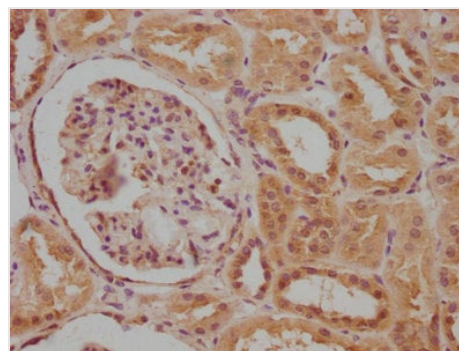
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Applicable Applications for anti-CACNA1B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Voltage-dependent N-type calcium channel subunit alpha-1B protein (2132-2339AA)
Immunogen Species	Human
Conjugate	Non-conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of SH-SY5Y cells with AAA243498 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)

IHC image of AAA243498 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CACNA1B antibody	Signal Transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502523
NCBI GeneID	774
NCBI Accession #	NP_000709
NCBI GenBank Nucleotide #	NM_000718
UniProt Accession #	Q00975; B1AQK5
Molecular Weight	251,716 Da
NCBI Official Full Name	voltage-dependent N-type calcium channel subunit alpha-1B isoform 1
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, N type, alpha 1B subunit
NCBI Official Symbol	CACNA1B
NCBI Official Synonym Symbols	BIII; CACNN; Cav2.2; CACNL1A5
NCBI Protein Information	voltage-dependent N-type calcium channel subunit alpha-1B; Cav2.2 voltage-gated Ca2+ channel; brain calcium channel III; calcium channel alpha12.2 subunit; calcium channel, L type, alpha-1 polypeptide; calcium channel, N type; calcium channel, voltage-dep
UniProt Protein Name	Voltage-dependent N-type calcium channel subunit alpha-1B
UniProt Gene Name	CACNA1B
UniProt Synonym Gene Names	CACH5; CACNL1A5; BIII
UniProt Entry Name	CAC1B_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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cacna1b-antibody-immunofluorescence-immunohistochemistry-elisa/243498>