

Rabbit anti-Human CACNA1A Polyclonal Antibody | anti-CACNA1A antibody

CACNA1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243497	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

CACNA1A; Polyclonal Antibody; CACNA1A Antibody; Voltage-dependent P/Q-type calcium channel subunit alpha-1A (Brain calcium channel I) (BI) (Calcium channel; L type; alpha-1 polypeptide isoform 4) (Voltage-gated calcium channel subunit alpha Cav2.1); CACH4 CACN3 CACNL1A4; anti-CACNA1A 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-CACNA1A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Voltage-dependent P/Q-type calcium channel subunit alpha-1A protein (1838-2136AA)
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 PC-3 cells with AAA243497 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 AAA243497 diluted at 1:100 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ 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-CACNA1A antibody	Neuroscience
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6166047
NCBI GeneID	773
UniProt Accession #	O00555; P78510; P78511; Q16290; Q92690; Q99790; Q99791; Q99792; Q99793; Q9NS88; Q9UDC4; J3KP41
Molecular Weight	282,564 Da
NCBI Official Full Name	Voltage-dependent P/Q-type calcium channel subunit alpha-1A
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit
NCBI Official Symbol	CACNA1A
NCBI Official Synonym Symbols	BI; EA2; FHM; MHP; APCA; HPCA; MHP1; SCA6; CAV2.1; CACNL1A4
NCBI Protein Information	voltage-dependent P/Q-type calcium channel subunit alpha-1A; brain calcium channel 1; brain calcium channel I; calcium channel, L type, alpha-1 polypeptide; voltage-gated calcium channel subunit alpha Cav2.1
UniProt Protein Name	Voltage-dependent P/Q-type calcium channel subunit alpha-1A
UniProt Gene Name	CACNA1A
UniProt Synonym Gene Names	CACH4; CACN3; CACNL1A4; BI
UniProt Entry Name	CAC1A_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/cacna1a-antibody-immunofluorescence-immunohistochemistry-elisa/243497>