

Rabbit anti-Human Potassium voltage-gated channel subfamily D member 1 Polyclonal Antibody | anti-KCND1 antibody

Rabbit anti-human Potassium voltage-gated channel subfamily D member 1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229927	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

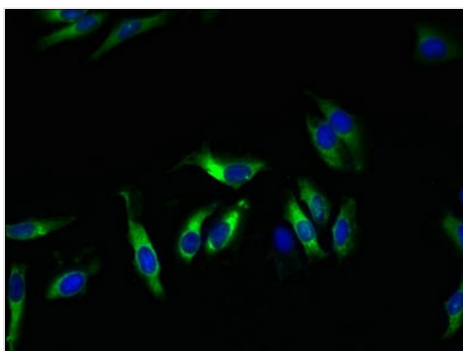
PRODUCT SYNONYMS

Potassium voltage-gated channel subfamily D member 1; Polyclonal Antibody; Rabbit anti-human Potassium voltage-gated channel subfamily D member 1 polyclonal Antibody; Voltage-gated potassium channel subunit Kv4.1; KCND1; anti-KCND1 antibody

PRODUCT SPECIFICATIONS

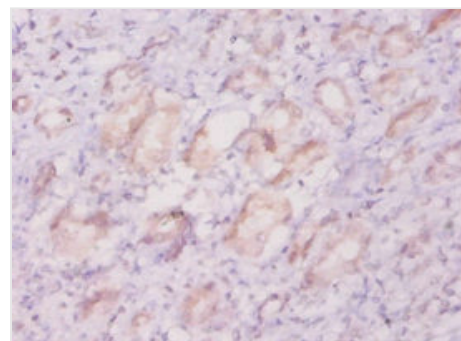
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	647
Applicable Applications for anti-KCND1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Potassium voltage-gated channel subfamily D member 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-74946 / sc-74948
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA229927 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA229927 at dilution of 1:20

ADDITIONAL INFORMATION

Related Product Information for anti-KCND1 antibody	Pore-forming (alpha) subunit of voltage-gated rapidly inactivating A-type potassium channels. May contribute to I(To) current in heart and I(Sa) current in neurons. Channel properties are modulated by interactions with other alpha subunits and with regulatory subunits. Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. This gene is expressed at moderate levels in all tissues analyzed, with lower levels in skeletal muscle.
Product Categories/Family for anti-KCND1 antibody	Transport

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436981
NCBI GeneID	3750
NCBI Accession #	NP_004970.3
NCBI GenBank Nucleotide #	NM_004979.5
UniProt Accession #	Q9NSA2; O75671; A6NEF1; B2RCG0
Molecular Weight	28,860 Da
NCBI Official Full Name	potassium voltage-gated channel subfamily D member 1
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily D member 1
NCBI Official Symbol	KCND1
NCBI Official Synonym Symbols	KV4.1
NCBI Protein Information	potassium voltage-gated channel subfamily D member 1
UniProt Protein Name	Potassium voltage-gated channel subfamily D member 1
UniProt Gene Name	KCND1
UniProt Entry Name	KCND1_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.