ARG11172
anti-TREK1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TREK1
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TREK1
Species	Human
Immunogen	A synthetic peptide (SASRERPGYTA) derived from the amino acid residue 4-14 of human TREK-1, conjugated with KLH for immunization.
Conjugation	Un-conjugated
Alternate Names	KCNH2; Potassium Voltage-Gated Channel Subfamily H Member 2; HERG 2; Kv11.1; Erg1; Potassium Voltage-Gated Channel, Subfamily H (Eag-Related), Member 2; Voltage-Gated Inwardly Rectifying Potassium Channel KCNH2; Ether-A-Go-Go-Related Gene Potassium Channel 1; Voltage-Gated Potassium Channel Subunit Kv11.1; Ether-A-Go-Go-Related Protein 1; Long QT Syndrome Type 2; Eag-Related Protein 1; Eag Homolog; ERG-1; H-ERG; HERG1; LQT2; Potassium Channel, Voltage Gated Eag Related Subfamily H, Member 2; Ether-A-Go-Go-Related Potassium Channel Protein; Human Ether-A-Go-Go-Related Gene; Human Ether-A-Go-Go-Related; HERG-1; SQT1; ERG1; ERG

Application Instructions

Application table

Application	Dilution
WB	1:3000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.4)
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KCNK2
Gene Full Name	Potassium Two Pore Domain Channel Subfamily K Member 2
Background	This gene encodes a component of a voltage-activated potassium channel found in cardiac muscle, nerve cells, and microglia. Four copies of this protein interact with one copy of the KCNE2 protein to form a functional potassium channel. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, May 2022]
Function	Forms a stable complex with KCNE1 or KCNE2, and that this heteromultimerization regulates inward rectifier potassium channel activity. [UniProt]
Calculated Mw	127 kDa
PTM	Glycoprotein, Methylation, Phosphoprotein. [UniProt]
Cellular Localization	Cell membrane, Membrane. [UniProt]