

Datasheet for ABIN734843
anti-KCNH2 antibody (AA 1001-1159)[Go to Product page](#)

1 Publication

Overview

Quantity:	100 µL
Target:	KCNH2
Binding Specificity:	AA 1001-1159
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH2 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HERG
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNH2
Alternative Name:	KCNH2 (KCNH2 Products)
Background:	Synonyms: ERG1, HERG, LQT2, SQT1, ERG-1, H-ERG, HERG1, Kv11.1, Potassium voltage-gated

Target Details

channel subfamily H member 2, Eag homolog, Ether-a-go-go-related gene potassium channel 1, Eag-related protein 1, Ether-a-go-go-related protein 1, hERG-1, Voltage-gated potassium channel subunit Kv11.1, KCNH2, ERG

Background: Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Channel properties are modulated by cAMP and subunit assembly. Mediates the rapidly activating component of the delayed rectifying potassium current in heart (IKr).

Isoforms USO have no channel activity by themselves, but modulates channel characteristics by forming heterotetramers with other isoforms which are retained intracellularly and undergo ubiquitin-dependent degradation.

Gene ID: 3757

UniProt: [Q12809](#)

Application Details

Application Notes: ELISA 1:500-1000
FCM 1:20-100
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Zhao, Xu, Yun, Zhao, Li, Gong, Yuan, Yan, Zhang, Ding, Wang, Zhang, Dong, Xiu, Yang, Liu, Xue, Li

: "Chronic obstructive sleep apnea causes atrial remodeling in canines: mechanisms and implications." in: **Basic research in cardiology**, Vol. 109, Issue 5, pp. 427, (2014) ([PubMed](#)).