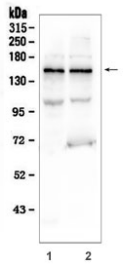
KCNH2 Antibody / ERG-1 (RQ5306)

Catalog No.	Formulation	Size
RQ5306	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q12809
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This KCNH2 antibody is available for research use only.



Western blot testing of human 1) K562 and 2) U-2 OS cell lysate with KCNH2 antibody. Expected molecular weight: 127-155 kDa.

Description

KCNH2, also known as HERG or KV11.1, encodes the pore-forming subunit of a rapidly activating-delayed rectifier potassium channel. It is mapped to 7q36.1. KCNH2 forms the major portion of one of the ion channel proteins (the 'rapid' delayed rectifier current (IKr)) that conducts potassium (K+) ions out of the muscle cells of the heart (cardiac myocytes), and this current is critical in correctly timing the return to the resting state (repolarization) of the cell membrane during the cardiac action potential.

Application Notes

Optimal dilution of the KCNH2 antibody should be determined by the researcher.

Immunogen

Amino acids R159-A223 from the human protein were used as the immunogen for the KCNH2 antibody.

Storage

Store the KCNH2 antibody at -20oC.

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