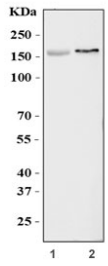
KCNH2 Antibody / ERG-1 (RQ6647)

Catalog No.	Formulation	Size
RQ6647	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

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



Western blot testing of 1) rat brain and 2) mouse brain tissue 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

Recombinant human protein (amino acids N128-L1142) was used as the immunogen for the KCNH2 antibody.

Storage

After reconstitution, the KCNH2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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