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KCNH2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8811c

Specification

KCNH2 Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	Q12809
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**861-888**

KCNH2 Antibody (Center) - Additional Information

Gene ID 3757

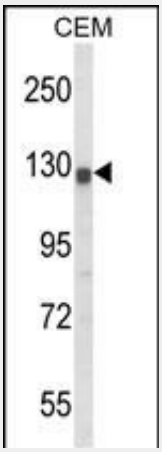
Other Names
Potassium voltage-gated channel subfamily H member 2, Eag homolog, Ether-a-go-go-related gene potassium channel 1, ERG-1, Eag-related protein 1, Ether-a-go-go-related protein 1, H-ERG, hERG-1, hERG1, Voltage-gated potassium channel subunit Kv111, KCNH2, ERG, ERG1, HERG

Target/Specificity
This KCNH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 861-888 amino acids from the Central region of human KCNH2.

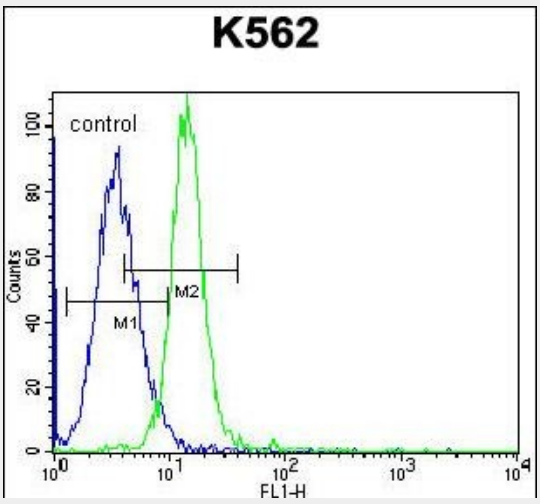
Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of KCNH2 Antibody (Center) (Cat. #AP8811c) in CEM cell line lysates (35ug/lane).KCNH2 (arrow) was detected using the purified Pab.



KCNH2 Antibody (Center) (Cat. #AP8811c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control (Rabbit IgG Isotype Control) (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

KCNH2 Antibody (Center) - Background

Precautions
KCNH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNH2 Antibody (Center) - Protein Information

Name KCNH2

Synonyms ERG, ERG1, HERG

Function
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) (PubMed:18559421, PubMed:26363003, PubMed:27916661).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Highly expressed in heart and brain. Isoforms USO are frequently overexpressed in cancer cells

KCNH2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KCNH2 is a voltage-activated potassium channel belonging to the eag family.

KCNH2 Antibody (Center) - References

Trudeau,M.C., et.al., Science 269 (5220), 92-95 (1995)