

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.

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

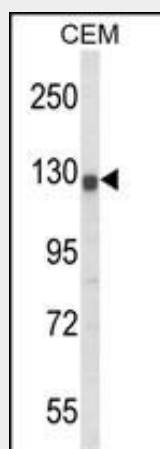
Highly expressed in heart and brain. Isoforms USO are frequently overexpressed in cancer cells

KCNH2 Antibody (Center) - Protocols

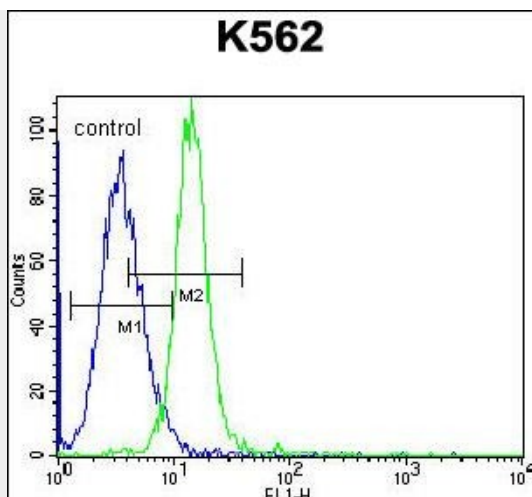
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KCNH2 Antibody (Center) - Images



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

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)