

Rabbit KCNH2 / HERG Polyclonal Antibody | anti-KCNH2 antibody

Rabbit Polyclonal to Human KCNH2 / HERG

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52076	Rabbit	Human, Monkey, Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit; Predicted: Bat, Guinea pig	Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

KCNH2 / HERG; Polyclonal Antibody; Rabbit Polyclonal to Human KCNH2 / HERG; Anti-KCNH2 / HERG Antibody (Internal) IHC-plus; KCNH2; Eag homolog; HERG-1; ERG1; HERG; Kv11.1; M-erg1; H-ERG; HERG1; SQT1; LQT2; Merg1; Eag-related protein 1; ERG-1; Human KCNH2; anti-KCNH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat, Bovine, Dog, Hamster, Horse, Pig, Rabbit; Predicted: Bat, Guinea pig
Clonality	Polyclonal
Specificity	Human KCNH2 / Kv11.1. BLAST analysis of the peptide immunogen showed no homolgy with other human proteins.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	0.9 mg/ml (varies by lot)
Applicable Applications for anti-KCNH2 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	KCNH2 / HERG
Family / Subfamily	Ion Channel / Potassium channel - Eag-related
Host Note	KCNH2 / HERG antibody was produced in Rabbit
Immunogen Species	KCNH2 / HERG antibody was raised against Human
Antigen Type	Synthetic peptide
Immunogen	KCNH2 / HERG antibody was raised against synthetic 16 amino acid peptide from internal region of human KCNH2 / Kv11.1. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Horse, Rabbit, Pig, (100%); Bat, Guinea pig (94%)
Epitope	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Product Categories/Family for anti-KCNH2 antibody	Family: Ion Channel; Subfamily: Potassium channel - Eag-related
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557729
NCBI GeneID	3757
NCBI Accession #	NP_000229.1
NCBI GenBank Nucleotide #	NM_000238.3
UniProt Accession #	Q12809 ; O75418 ; O75680 ; Q708S9 ; Q9BT72 ; Q9BUT7 ; Q9H3P0 ; A5H1P7 ; C4PFH9 ; D3DX04

NCBI Official Full Name	potassium voltage-gated channel subfamily H member 2 isoform a
NCBI Official Synonym Full Names	potassium voltage-gated channel, subfamily H (eag-related), member 2
NCBI Official Symbol	KCNH2
NCBI Official Synonym Symbols	ERG1; HERG; LQT2; SQT1; ERG-1; H-ERG; HERG1; Kv11.1
NCBI Protein Information	potassium voltage-gated channel subfamily H member 2; eag homolog; eag-related protein 1; ether-a-go-go-related protein 1; ether-a-go-go-related gene potassium channel 1; voltage-gated potassium channel subunit Kv11.1; ether-a-go-go-related potassium channel protein
UniProt Protein Name	Potassium voltage-gated channel subfamily H member 2
UniProt Gene Name	KCNH2
UniProt Synonym Gene Names	ERG; ERG1; HERG; ERG-1; Eag-related protein 1; Ether-a-go-go-related protein 1; H-ERG; hERG-1; hERG1
UniProt Entry Name	KCNH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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