

Rat Potassium voltage-gated channel subfamily H member 2 (KCNH2) ELISA Kit | KCNH2 elisa kit

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CATALOG # AAA244578	REACTIVITY Rat
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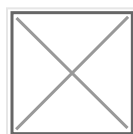
PRODUCT SYNONYMS

Potassium voltage-gated channel subfamily H member 2 (KCNH2); Rat Potassium voltage-gated channel subfamily H member 2 (KCNH2) ELISA Kit; KCNH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNH2 elisa kit	<p>Intended Uses: This KCNH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KCNH2. This ELISA kit for research use only!</p> <p>Principle of the Assay: KCNH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KCNH2 antibody and an KCNH2-HRP conjugate. The assay sample and buffer are incubated together with KCNH2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the KCNH2 concentration since KCNH2 from samples and KCNH2-HRP conjugate compete for the anti-KCNH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by KCNH2 from the sample, fewer sites are left to bind KCNH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KCNH2 concentration in each sample is interpolated from this standard curve.</p>
Product Categories/Family for KCNH2 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7531135
NCBI GeneID	3757

Molecular Weight	115,636 Da
NCBI Official Full Name	Potassium voltage-gated channel subfamily H member 2
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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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/potassium-voltage-gated-channel-subfamily-h-member-2-kcnh2/244578>