

# KCNH6 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56454

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9H252</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	106425
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human KCNH6
<b>Epitope Specificity</b>	401-500/994
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Membrane; Multi-pass membrane protein.
<b>SIMILARITY</b>	Belongs to the potassium channel family. H (Eag) (TC 1.A.1.20) subfamily. Kv11.2/KCNH6 sub-subfamily. Contains 1 cyclic nucleotide-binding domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 1 PAS (PER-ARNT-SIM) domain.
<b>SUBUNIT</b>	The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming alpha subunits that can associate with modulating beta subunits. Heteromultimers with KCNH2/ERG1 and KCNH7/ERG3 (By similarity).
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a slowly activating, rectifying current (By similarity). Channel properties may be modulated by cAMP and subunit assembly.

## Additional Information

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<b>Gene ID</b>	81033
<b>Other Names</b>	Potassium voltage-gated channel subfamily H member 6, Ether-a-go-go-related gene potassium channel 2, ERG-2, Eag-related protein 2, Ether-a-go-go-related protein 2, hERG-2, hERG2, Voltage-gated potassium channel subunit Kv11.2, KCNH6, ERG2
<b>Target/Specificity</b>	Expressed in prolactin-secreting adenomas.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000

<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

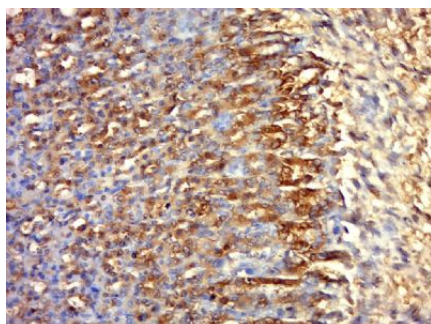
## Protein Information

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<b>Name</b>	KCNH6 ( <a href="#">HGNC:18862</a> )
<b>Synonyms</b>	ERG2
<b>Function</b>	Pore-forming (alpha) subunit of voltage-gated inwardly rectifying potassium channel. Characterized by unusual gating kinetics by producing relatively small outward currents during membrane depolarization and large inward currents during subsequent repolarization which reflect a rapid inactivation during depolarization and quick recovery from inactivation but slow deactivation (closing) during repolarization. Activates even more slowly than KCNH2.
<b>Cellular Location</b>	Cell membrane {ECO:0000250   UniProtKB:Q12809}; Multi-pass membrane protein {ECO:0000250   UniProtKB:Q12809}
<b>Tissue Location</b>	Expressed in prolactin-secreting adenomas.

## Images

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Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KCNH6) Polyclonal Antibody, Unconjugated (AP56454) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.