

## Product datasheet for TA338722

### KCNH7 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-KCNH7 antibody: synthetic peptide directed towards the middle region of human KCNH7. Synthetic peptide located within the following region: LEKSKLKSKESSLSSGVHLNTASEDNLTSLKQDSDLSELEHLRQRKTYVH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	135 kDa
Gene Name:	potassium voltage-gated channel subfamily H member 7
Database Link:	<a href="#">NP_150375</a> <a href="#">Entrez Gene 90134 Human</a> <a href="#">Q9NS40</a>



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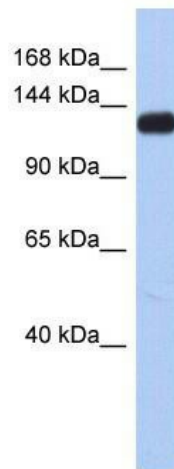
**Background:** Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. There are at least two alternatively spliced transcript variants derived from this gene and encoding distinct isoforms. [provided by RefSeq, Jul 2008]

**Synonyms:** ERG3; HERG3; Kv11.3

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 86%

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Ion Channels: Other, Transmembrane

### Product images:



WB Suggested Anti-KCNH7 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:312500; Positive  
Control: Human Small Intestine