

Product datasheet for **AP52306PU-N**

KCNH7 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 58~87 amino acids from the N-terminal region of human KCNH7
Specificity:	This antibody recognizes Human KCNH7 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily H member 7
Database Link:	Entrez Gene 90134 Human Q9NS40



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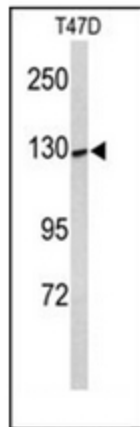
Background: KCNH7 represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This protein encodes a member of the potassium channel, voltage-gated, subfamily H.

Synonyms: KCNH7, ERG3, HERG-3, Ether-a-go-go-related protein 3, Eag-related protein 3

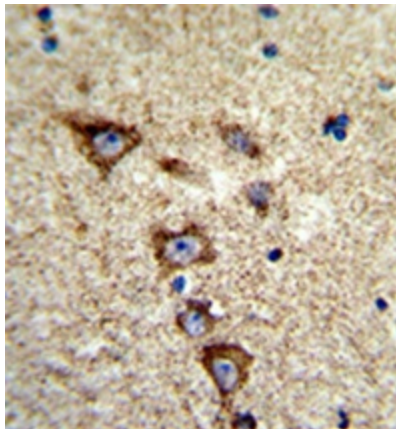
Note: **Molecular Weight:** 135000 Da

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

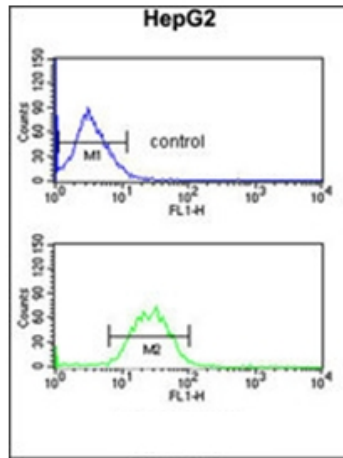
Product images:



Western blot analysis of KCNH7 Antibody (N-term) in T47D cell line lysates (35ug/lane). KCNH7 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with KCNH7 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow cytometric analysis of HepG2 cells using KCNH7 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.