

Datasheet for ABIN953004
anti-KCNH7 antibody (N-Term)

3 Images

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Overview

Quantity:	0.4 mL
Target:	KCNH7
Binding Specificity:	AA 58-87, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH7 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 58~87 amino acids from the N-terminal region of human KCNH7
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNH7 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCNH7
Alternative Name:	KCNH7 (KCNH7 Products)

Target Details

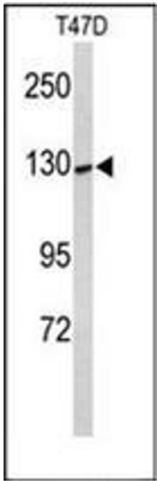
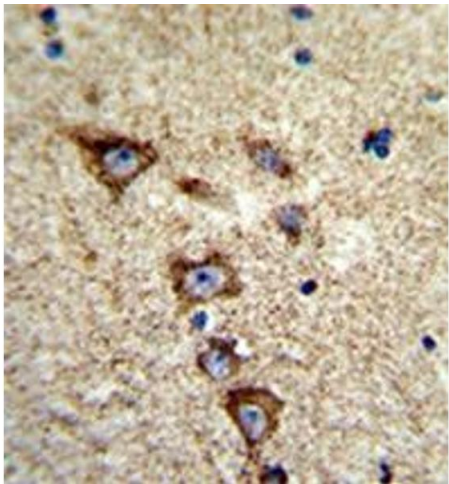
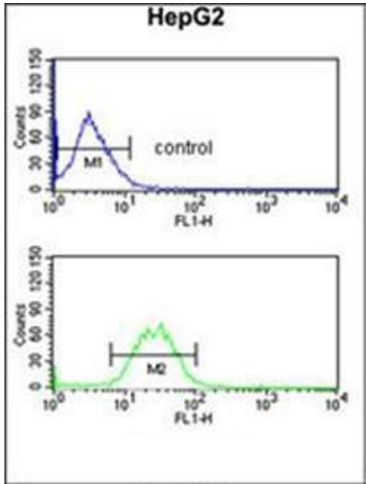
Background:	KCNH7 represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This protein encodes a member of the potassium channel, voltage-gated, subfamily H.Synonyms: ERG3, Eag-related protein 3, Ether-a-go-go-related gene potassium channel 3, Ether-a-go-go-related protein 3, HERG-3, KCNH7, Potassium voltage-gated channel subfamily H member 7, Voltage-gated potassium channel subunit Kv11.3
Molecular Weight:	135000 Da
Gene ID:	90134
NCBI Accession:	NP_150375

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of HepG2 cells using KCNH7 Antibody (N-term) Cat.-No AP52306PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin-embedded human brain tissue reacted with KCNH7 Antibody (N-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

Western Blotting

Image 3. Western blot analysis of KCNH7 Antibody (N-term) in T47D cell line lysates (35ug/lane). KCNH7 (arrow) was detected using the purified Pab.