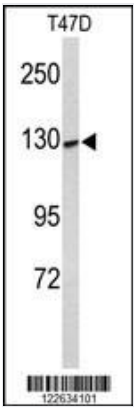
KCNH7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KCNH7, Polyclonal Antibody
Full Product Name	KCNH7, NT (KCNH7, ERG3, Potassium voltage-gated channel subfamily H member 7, Ether-a-go-go-related gene potassium channel 3, Voltage-gated potassium channel subunit Kv11.3) (PE)
Product Gene Name	anti-KCNH7 antibody
Product Synonym Names	KCNH7; ERG3; Potassium voltage-gated channel subfamily H member 7; Ether-a-go-go-related gene potassium channel 3; Voltage-gated potassium channel subunit Kv11.3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	82,904 Da
OMIM	608169
3D Structure	ModBase 3D Structure for Q9NS40
Immunogen	KCNH7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58~87 amino acids from the N-terminal region of human KCNH7.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-KCNH7 antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-KCNH7 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-KCNH7 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-KCNH7 antibody	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.
Product References and Citations for anti-KCNH7 antibody	Alkelai, A., et.al., Psychopharmacology (Berl.) 206 (3), 491-499 (2009). Couturier, N., et.al., Eur. J. Hum. Genet. 17 (6), 844-847 (2009).

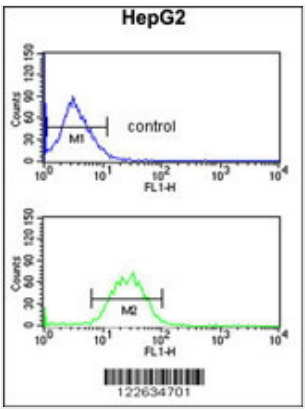
Other Notes	Small volumes of anti-KCNH7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KCNH7 purchase	MBS6312455 is an antibody targeting KCNH7. Also known as KCNH7, NT (KCNH7, ERG3, Potassium voltage-gated channel subfamily H member 7, Ether-a-go-go-related gene potassium channel 3, Voltage-gated potassium channel subunit Kv11.3) (PE). Reactive in Human. Host: Rabbit.



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



Immunohistochemistry (IHC) of anti-KCNH7 antibody
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. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCNH7. It may not necessarily be applicable to this product.

NCBI GI #	27886653
NCBI GeneID	90134
NCBI Accession #	NP_150375
UniProt Primary Accession #	Q9NS40
UniProt Secondary Accession #	Q53QU4; Q53TB7; Q53TP9; Q8IV15
UniProt Related Accession #	Q9NS40
GenBank Nucleotide #	NM_033272
NCBI Official Full Name	potassium voltage-gated channel subfamily H member 7 isoform 1

NCBI Official Synonym Full Names	potassium channel, voltage gated eag related subfamily H, member 7
NCBI Official Symbol	KCNH7
NCBI Official Synonym Symbols	ERG3; HERG3; Kv11.3
UniProt Protein Name	Potassium voltage-gated channel subfamily H member 7
UniProt Synonym Protein Names	Ether-a-go-go-related gene potassium channel 3; ERG-3; Eag-related protein 3; Ether-a-go-go-related protein 3; hERG-3; Voltage-gated potassium channel subunit Kv11.3
Protein Family	Potassium voltage-gated channel subfamily
UniProt Gene Name	KCNH7
UniProt Synonym Gene Names	ERG3; ERG-3; Eag-related protein 3; Ether-a-go-go-related protein 3; hERG-3
UniProt Entry Name	KCNH7_HUMAN
NCBI Protein Information	potassium voltage-gated channel subfamily H member 7; ERG-3; eag-related protein 3; ether-a-go-go-related gene potassium channel 3; ether-a-go-go-related protein 3; potassium channel subunit HERG-3; voltage-gated potassium channel subunit Kv11.3
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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