KCNE2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KCNE2, Polyclonal Antibody
Full Product Name	KCNE2, CT (KCNE2, Potassium voltage-gated channel subfamily E member 2, MinK-related peptide 1, Minimum potassium ion channel-related peptide 1, Potassium channel subunit beta MiRP1) (MaxLight 405)
Product Gene Name	anti-KCNE2 antibody
Product Synonym Names	KCNE2; Potassium voltage-gated channel subfamily E member 2; MinK-related peptide 1; Minimum potassium ion channel-related peptide 1; Potassium channel subunit beta MiRP1
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 MaxLight405.
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: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	14,472 Da
OMIM	phenotype 613693
3D Structure	ModBase 3D Structure for Q9Y6J6
Immunogen	KCNE2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-107 amino acids from the C-terminal region of human KCNE2.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-KCNE2 antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-KCNE2 antibody	Western Blot (WB), FLISA
Application Notes for anti-KCNE2 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-KCNE2 antibody	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, isk-related subfamily. This member is a small integral membrane subunit that assembles with the KCNH2 gene product, a pore-forming protein, to alter its function. This gene is expressed in heart and muscle and the gene mutations are associated with cardiac arrhythmia.

Product References and Citations for anti-KCNE2 antibody	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). Albert, C.M., et al. Circ Arrhythm Electrophysiol 3(3):222-229(2010). Subbiah, R.N., et al. Can J Cardiol 26(4):208-212(2010). Tam, G.W., et al. Biochem. Soc. Trans. 38(2):445-451(2010). Roepke, T.K., et al. PLoS ONE 5 (7), E11451 (2010).
Other Notes	Small volumes of anti-KCNE2 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 KCNE2 purchase	MBS6312384 is an antibody targeting KCNE2. Also known as KCNE2, CT (KCNE2, Potassium voltage-gated channel subfamily E member 2, MinK-related peptide 1, Minimum potassium ion channel-related peptide 1, Potassium channel subunit beta MiRP1) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KCNE2. It may not necessarily be applicable to this product.

NCBI GI #	27436978
NCBI GeneID	9992
NCBI Accession #	NP_751951.1
UniProt Primary Accession #	Q9Y6J6
UniProt Secondary Accession #	Q52LJ5; A5H1P3; D3DSF8
UniProt Related Accession #	Q9Y6J6
GenBank Nucleotide #	NM_172201.1
NCBI Official Full Name	potassium voltage-gated channel subfamily E member 2
NCBI Official Synonym Full Names	potassium voltage-gated channel, Isk-related family, member 2
NCBI Official Symbol	KCNE2
NCBI Official Synonym Symbols	LQT5; LQT6; ATFB4; MIRP1
UniProt Protein Name	Potassium voltage-gated channel subfamily E member 2
UniProt Synonym Protein Names	MinK-related peptide 1; Minimum potassium ion channel-related peptide 1; Potassium channel subunit beta MiRP1
Protein Family	Potassium voltage-gated channel subfamily
UniProt Gene Name	KCNE2
UniProt Entry Name	KCNE2_HUMAN
NCBI Protein Information	potassium voltage-gated channel subfamily E member 2; minK-related peptide 1; minK-related peptide-1; potassium channel subunit, MiRP1; potassium channel subunit beta MiRP1; voltage-gated K+ channel subunit MIRP1; minimum potassium ion channel-related pep
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