KCNRG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KCNRG, Polyclonal Antibody
Full Product Name	KCNRG, CT (KCNRG, CLLD4, Potassium channel regulatory protein, Protein CLLD4) (MaxLight 490)
Product Gene Name	anti-KCNRG antibody
Product Synonym Names	KCNRG; CLLD4; Potassium channel regulatory protein; Protein CLLD4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
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: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	AY129653 mRNA
3D Structure	ModBase 3D Structure for Q8N5I3
Immunogen	KCNRG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-210 amino acids from the C-terminal region of human KCNRG.
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-KCNRG antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-KCNRG antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-KCNRG antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-KCNRG antibody	This gene encodes a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This gene is located on chromosome 13 within the minimal deletion region for B-cell chronic lymphocytic leukemia. Multiple alternatively spliced transcript variants have been found for this gene.
Product References and Citations for anti-KCNRG antibody	Lerner, M., et al. Mol. Biol. Cell 18(5):1670-1682(2007). Skoblov, M., et al. Biochem. Biophys. Res. Commun. 342(3):859-866(2006). Corcoran, M.M., et al. Genes Chromosomes Cancer 40(4):285-297(2004). Dunham, A., et al. Nature 428(6982):522-528(2004). van Everdink, W.J., et al. Cancer Genet. Cytogenet. 146(1):48-57(2003).
Other Notes	Small volumes of anti-KCNRG 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 KCNRG purchase	MBS6312737 is an antibody targeting KCNRG. Also known as KCNRG, CT (KCNRG, CLLD4, Potassium channel regulatory protein, Protein CLLD4) (MaxLight 490). Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	47132521
NCBI GeneID	10206
NCBI Accession #	NP_005789.2
NCBI Related Accession #	NP_001007279.1; NP_775876.1
UniProt Primary Accession #	Q8N5I3
UniProt Related Accession #	O60858
GenBank Nucleotide #	NP_005789.2
NCBI Official Full Name	E3 ubiquitin-protein ligase TRIM13 isoform 1
NCBI Official Synonym Full Names	tripartite motif containing 13
NCBI Official Symbol	TRIM13
NCBI Official Synonym Symbols	CAR; LEU5; RFP2; DLEU5; RNF77
UniProt Protein Name	Potassium channel regulatory protein
UniProt Synonym Protein Names	Protein CLLD4
Protein Family	Potassium channel regulatory protein
UniProt Gene Name	KCNRG
UniProt Synonym Gene Names	CLLD4; Potassium channel regulator
NCBI Protein Information	E3 ubiquitin-protein ligase TRIM13
UniProt Comments for KCNRG	KCNRG: Inhibits potassium fluxes in cells. May regulate Kv1 family channel proteins by retaining a fraction of channels in endomembranes. 3 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 13q14.2 Cellular Component: endoplasmic reticulum Molecular Function: identical protein binding; protein binding Biological Process: protein homooligomerization
Research Articles on KCNRG	**1.** Results from bioinformatics analysis suggest that Tripartite motif 13 (TRIM13) may be adopted as a promising predictive biomarker for prognosis of breast cancer.
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