NPRL3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NPRL3, Polyclonal Antibody
Full Product Name	NPRL3 (Nitrogen Permease Regulator 3-like Protein,-14 gene Protein, Alpha-globin Regulatory Element-Containing gene Protein, Protein CGTHBA, NPRL3, C16orf35, CGTHBA, MARE) (MaxLight 405)
Product Gene Name	anti-NPRL3 antibody
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.
Specificity	Recognizes human NPRL3. Species Crossreactivity: human
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	63,605 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (135800..188697, complement). Location: 16p13.3
OMIM	600928
3D Structure	ModBase 3D Structure for Q12980
Immunogen	KLH conjugated synthetic peptide corresponding to aa86-117 from human NPRL3.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-NPRL3 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-NPRL3 antibody	Western Blot (WB)
Application Notes for anti-NPRL3 antibody	WB: 1:2000 Applications are based on unconjugated antibody.
Related Product Information for anti-NPRL3 antibody	MBS6457751 is an antibody targeting NPRL3. Also known as NPRL3 (Nitrogen Permease Regulator 3-like Protein,-14 gene Protein, Alpha-globin Regulatory Element-Containing gene Protein, Protein CGTHBA, NPRL3, C16orf35, CGTHBA, MARE) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-NPRL3 antibody	Vyas P., et al. Genomics 29:679-689(1995). De Gobbi M., et al. Science 312:1215-1217(2006). Martin J., et al. Nature 432:988-994(2004). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Neklesa T.K., et al. PLoS Genet. 5:E1000515-E1000515(2009).
Other Notes	Small volumes of anti-NPRL3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NPRL3. It may not necessarily be applicable to this product.

NCBI GI #	342837747
NCBI GeneID	8131
NCBI Accession #	NP_001230178.1
UniProt Primary Accession #	Q12980
UniProt Secondary Accession #	Q1W6H0; Q4TT56; Q92469; D3DU40
UniProt Related Accession #	Q12980
GenBank Nucleotide #	NM_001243249.1
NCBI Official Full Name	nitrogen permease regulator 3-like protein isoform 4
NCBI Official Synonym Full Names	nitrogen permease regulator-like 3 (S. cerevisiae)
NCBI Official Symbol	NPRL3
NCBI Official Synonym Symbols	MARE; NPR3; HS-40; RMD11; CGTHBA; C16orf35
UniProt Protein Name	Nitrogen permease regulator 3-like protein
UniProt Synonym Protein Names	-14 gene protein; Alpha-globin regulatory element-containing gene protein; Protein CGTHBA
UniProt Gene Name	NPRL3
UniProt Synonym Gene Names	C16orf35; CGTHBA; MARE
UniProt Entry Name	NPRL3_HUMAN
NCBI Protein Information	nitrogen permease regulator 3-like protein; -14 gene protein; conserved gene telomeric to alpha globin cluster; alpha-globin regulatory element-containing gene protein
NCBI Summary for NPRL3	The function of the encoded protein is not known. [provided by RefSeq, Aug 2011]
UniProt Comments for NPRL3	NPRL3: The function of the encoded protein is not known. [provided by RefSeq, Aug 2011] Protein type: Unknown function Chromosomal Location of Human Ortholog: 16p13.3 Molecular Function: GTPase activator activity Biological Process: cardiac muscle development; palate development; positive regulation of GTPase activity
Research Articles on NPRL3	**1.** NPRL3 is a candidate gene for harbouring mutations in individuals with developmental abnormalities of the cardiovascular system.
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