HEYL Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HEYL, Monoclonal Antibody
Full Product Name	HEYL (Hairy/Enhancer-of-Split Related with YRPW Motif-like, HRT3, MGC12623, bHLHb33) (MaxLight 550)
Product Gene Name	anti-HEYL antibody
Product Synonym Names	Hairy/Enhancer-of-Split Related with YRPW Motif-like; HRT3; MGC12623; bHLHb33
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3B11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes HEYL.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,087 Da
OMIM	609034
3D Structure	ModBase 3D Structure for Q9NQ87
Immunogen	HEYL (NP_055386, 1aa-70aa) full length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MKRPKEPSGSDGESDGPIDVGQEGQLSQMARPLSTPSSSQMQARKKRRGIIEKRRRDRINSSLSELRRLV
Conjugate	MaxLight550
Product Categories/Family for anti-HEYL antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-HEYL antibody	FLISA, Western Blot (WB)
Application Notes for anti-HEYL antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HEYL antibody	This gene encodes a member of the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcription factors. The sequence of the encoded protein contains a conserved bHLH and orange domain, but its YRPW motif has diverged from other HESR family members. It is thought to be an effector of Notch signaling and a regulator of cell fate decisions. Alternatively spliced transcript variants have been found, but their biological validity has not been determined. [provided by RefSeq]
Other Notes	Small volumes of anti-HEYL 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 HEYL purchase	MBS6217301 is an antibody targeting HEYL. Also known as HEYL (Hairy/Enhancer-of-Split Related with YRPW Motif-like, HRT3, MGC12623, bHLHb33) (MaxLight 550). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	7657154
NCBI GeneID	26508
NCBI Accession #	NP_055386
UniProt Primary Accession #	Q9NQ87
UniProt Secondary Accession #	Q5TG99
UniProt Related Accession #	Q9NQ87
GenBank Nucleotide #	NM_014571
NCBI Official Full Name	hairy/enhancer-of-split related with YRPW motif-like protein
NCBI Official Synonym Full Names	hes-related family bHLH transcription factor with YRPW motif-like
NCBI Official Symbol	HEYL
NCBI Official Synonym Symbols	HEY3; HRT3; HESR3; bHLHb33
UniProt Protein Name	Hairy/enhancer-of-split related with YRPW motif-like protein
UniProt Synonym Protein Names	Class B basic helix-loop-helix protein 33; bHLHb33; Hairy-related transcription factor 3; HRT-3; hHRT3
Protein Family	Hairy/enhancer-of-split related with YRPW motif-like protein
UniProt Gene Name	HEYL
UniProt Synonym Gene Names	BHLHB33; HRT3; hHeyL; bHLHb33; HRT-3; hHRT3
UniProt Entry Name	HEYL_HUMAN
NCBI Protein Information	hairy/enhancer-of-split related with YRPW motif-like protein; HEY-like protein; HRT-3; class B basic helix-loop-helix protein 33; hHRT3; hHeyL; hairy-related transcription factor 3; hairy/enhancer-of-split related with YRPW motif 3
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