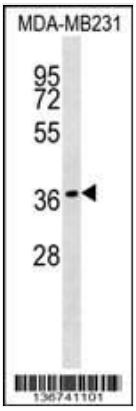
HEYL Antibody – Rabbit Polyclonal

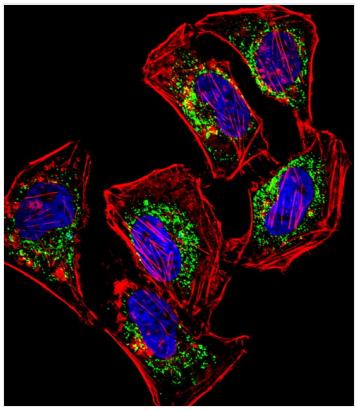
PRODUCT OVERVIEW

Product Name	HEYL, Polyclonal Antibody
Full Product Name	HEYL, NT (HEYL, BHLHB33, HRT3, Hairy/enhancer-of-split related with YRPW motif-like protein, Class B basic helix-loop-helix protein 33, Hairy-related transcription factor 3) (Biotin)
Product Gene Name	anti-HEYL antibody
Product Synonym Names	HEYL; BHLHB33; HRT3; Hairy/enhancer-of-split related with YRPW motif-like protein; Class B basic helix-loop-helix protein 33; Hairy-related transcription factor 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 Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	35,087 Da
OMIM	609034
3D Structure	ModBase 3D Structure for Q9NQ87
Immunogen	HEYL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-54 amino acids from the N-terminal region of human HEYL.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-HEYL antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-HEYL antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HEYL antibody	WB: 1:100-500 ELISA: 1:1,000 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].
Product References and Citations for anti-HEYL antibody	Kokubo, H., et al. Trends Cardiovasc. Med. 15(5):190-194(2005). Colland, F., et al. Genome Res. 14(7):1324-1332(2004). Iso, T., et al. J. Cell. Physiol. 194(3):237-255(2003). Nakagawa, O., et al. Proc. Natl. Acad. Sci. U.S.A. 97(25):13655-13660(2000). Firulli, B.A., et al. J. Biol. Chem. 275(43):33567-33573(2000).

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	MBS6306276 is an antibody targeting HEYL. Also known as HEYL, NT (HEYL, BHLHB33, HRT3, Hairy/enhancer-of-split related with YRPW motif-like protein, Class B basic helix-loop-helix protein 33, Hairy-related transcription factor 3) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HEYL antibody
HEYL Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the HEYL antibody detected the HEYL protein (arrow).



Immunofluorescence (IF) of anti-HEYL antibody
Fluorescent confocal image of Hela cell stained with HEYL Antibody (N-term).HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HEYL primary antibody (1:25, 1 h at 37 degree C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree C).Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree C). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). HEYL immunoreactivity is localized to Mitochondria significantly.

ADDITIONAL DETAILS

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

NCBI GI #	105990530
NCBI GeneID	26508
NCBI Accession #	NP_055386.1
UniProt Primary Accession #	Q9NQ87
UniProt Secondary Accession #	Q5TG99
UniProt Related Accession #	Q9NQ87
GenBank Nucleotide #	NM_014571
NCBI Official Full Name	Homo sapiens hes-related family bHLH transcription factor with YRPW motif-like (HEYL), mRNA
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
NCBI Summary for HEYL	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, Jul 2008]
Research Articles on HEYL	**1.** Repression of androgen receptor activity by HEYL, a third member of the Hairy/Enhancer-of-split-related family of Notch effectors.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/heyl/6306276