

HEYL Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant HEYL.

Catalog # AT2359a

Product Information

Application	WB, IF, E
Primary Accession	Q9NQ87
Other Accession	NM_014571
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4A11
Calculated MW	35087

Additional Information

Gene ID	26508
Other Names	Hairy/enhancer-of-split related with YRPW motif-like protein, hHeyL, Class B basic helix-loop-helix protein 33, bHLHb33, Hairy-related transcription factor 3, HRT-3, hHRT3, HEYL, BHLHB33, HRT3
Target/Specificity	HEYL (NP_055386, 221 a.a. ~ 327 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HEYL Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

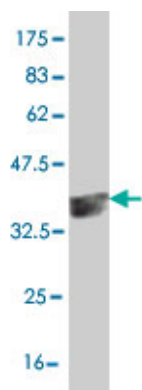
Background

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.

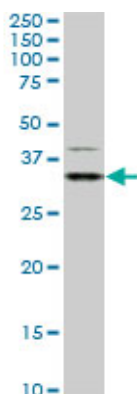
References

Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514. Hesr, a mediator of the Notch signaling, functions in heart and vessel development. Kokubo H, et al. Trends Cardiovasc Med, 2005 Jul. PMID 16165016. Functional proteomics mapping of a human signaling pathway. Colland F, et al. Genome Res, 2004 Jul. PMID 15231748. HES and HERP families: multiple effectors of the Notch signaling pathway. Iso T, et al. J Cell Physiol, 2003 Mar. PMID 12548545. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

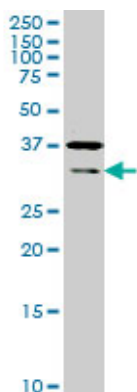
Images



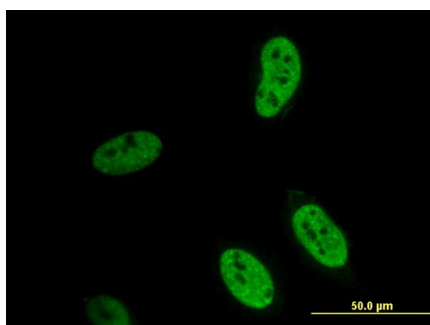
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .



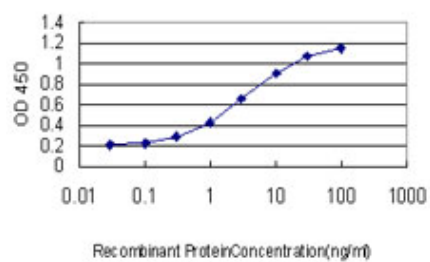
HEYL monoclonal antibody (M02), clone 4A11. Western Blot analysis of HEYL expression in LNCaP ((Cat # AT2359a)



HEYL monoclonal antibody (M02), clone 4A11 Western Blot analysis of HEYL expression in HeLa S3 NE ((Cat # AT2359a)



Immunofluorescence of monoclonal antibody to HEYL on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged HEYL is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.