

**HEYL Antibody (monoclonal) (M02)****Mouse monoclonal antibody raised against a partial recombinant HEYL.****Catalog # AT2359a****Specification**

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**HEYL Antibody (monoclonal) (M02) - Product Information**

Application	WB, IF, E
Primary Accession	<a href="#">O9NQ87</a>
Other Accession	<a href="#">NM_014571</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	35087

**HEYL Antibody (monoclonal) (M02) - 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.

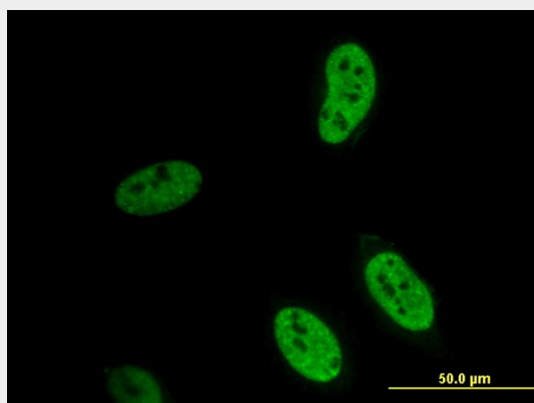
**HEYL Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

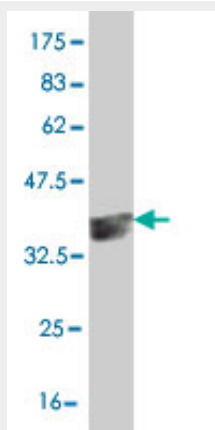
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

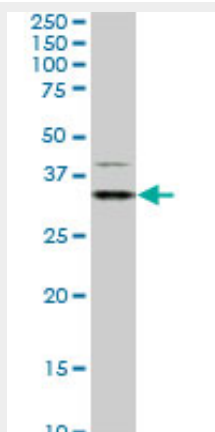
## HEYL Antibody (monoclonal) (M02) - Images



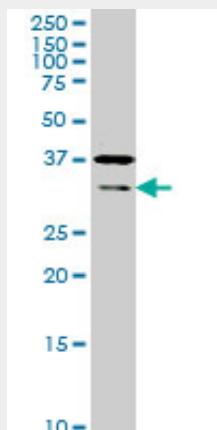
Immunofluorescence of monoclonal antibody to HEYL on HeLa cell. [antibody concentration 10 ug/ml]



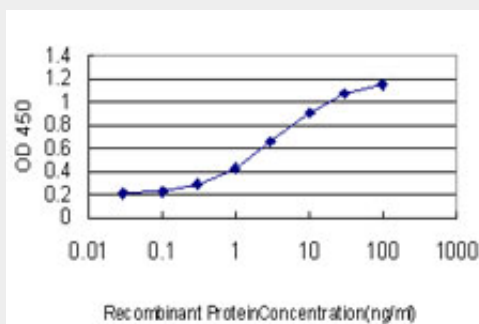
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .



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)



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

### HEYL Antibody (monoclonal) (M02) - 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.

### HEYL Antibody (monoclonal) (M02) - 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.