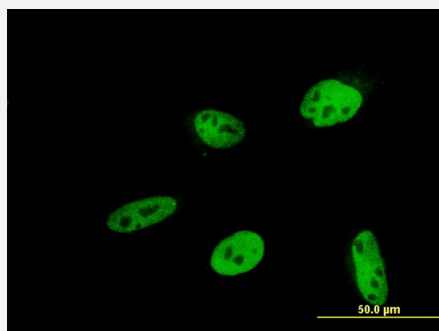


HEYL monoclonal antibody (M03), clone 2G1

Catalog # H00026508-M03

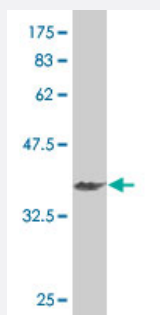
Size 100 ug

Applications



Immunofluorescence

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



Western Blot detection against Immunogen (37.51 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant HEYL.

Immunogen

HEYL (NP_055386, 221 a.a. ~ 327 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PLRRATGIILPARRNVLPARGASSTRRARPLERPATPVVPVAPSSRAARSSHAPLLQSSSPTPPGP
TGSAAYVAVPTPNSSSPGPAGRPAGAMLYHSWVSEITEIGA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (78); Rat (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA
- Immunofluorescence

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

Gene Info — HEYL

Entrez GeneID	26508
GeneBank Accession#	NM_014571
Protein Accession#	NP_055386
Gene Name	HEYL
Gene Alias	HRT3, MGC12623, bHLHb33
Gene Description	hairy/enhancer-of-split related with YRPW motif-like
Omim ID	609034
Gene Ontology	Hyperlink

Gene Summary

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 Designations

HEY-like protein|OTTHUMP00000000536|hairy-related transcription factor 3

Publication Reference

- [The NOTCH3 Downstream Target HEYL Is Required for Efficient Human Airway Basal Cell Differentiation.](#)

Manish Bodas, Bharathiraja Subramaniyan, Andrew R. Moore, Jordan P. Metcalf, Sarah R. Ocañas, Willard M. Freeman, Constantin Georgescu, Jonathan D. Wren, Matthew S. Walters.

Cells 2021 Nov; 10(11):3215.

Application: IF, Human, Mouse, Human bronchus, Mouse trachea

- [Activation of NOTCH1 or NOTCH3 Signaling Skews Human Airway Basal Cell Differentiation toward a Secretory Pathway.](#)

Gomi K, Arbelaez V, Crystal RG, Walters MS.

PLoS One 2015 Feb; 10(2):e0116507.

Application: IF, IHC-P, Human, Airway basal cells