

Rabbit Anti-Hey L/AF350 Conjugated antibody

SL16499R-AF350

Product Name	Anti-Hey L/AF350
Chinese Name	AF350 标记的转录因子 HRT3 抗体
Alias	bHLHb33; Class B basic helix loop helix protein 33; Class B basic helix-loop-helix protein 33; Hairy enhancer of split related with YRPW motif like; Hairy related transcription factor 3; Hairy-related transcription factor 3; Hairy/enhancer of split related with YRPW motif 3; Hairy/enhancer of split related with YRPW motif like; Hairy/enhancer of split related with YRPW motif like protein; Hairy/enhancer-of-split related with YRPW motif-like protein; HEY like protein; HEY3; HEYL; HEYL protein; HEYL_HUMAN; hHeyL; hHRT3; HRT 3; HRT-3; HRT3; MGC12623.
Research Area	Cardiovascular Cell biology Neurobiology transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep)
Applications	ICC/IF=1:50-200,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	35kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Hey L
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks

at 2-4 °C.

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. [provided by RefSeq, Jul 2008]

Function:

Downstream effector of Notch signaling which may be required for cardiovascular development (By similarity). Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3' (By similarity). Represses transcription by the cardiac transcriptional activators GATA4 and GATA6.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the HEY family.
Contains 1 basic helix-loop-helix (bHLH) domain.
Contains 1 Orange domain.

Product Detail

Database links:

[Entrez Gene: 26508](#) Human

[Entrez Gene: 538609](#) Cow

[Entrez Gene: 56198](#) Mouse

[Entrez Gene: 313575](#) Rat

[SwissProt: Q2NL18](#) Cow

[SwissProt: Q58CQ8](#) Cow

[SwissProt: Q9NQ87](#) Human

[SwissProt: Q9DBX7](#) Mouse

[Unigene: 472566](#) Human



[Unigene: 103615](#) Mouse

[Unigene: 22252](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.