

Immunotag™ HEY1 Antibody

Antibody Specification	
Catalog No.	ITA2730
Product Description	Immunotag™ HEY1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HEY1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human HEY1.
Specificity	HEY1 antibody detects endogenous levels of HEY1.
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	HEY1
Accession No.	Q9Y5J3

Antibody Specification

Alternate Names	Basic helix loop helix protein OAF1; bHLHb31; Cardiovascular helix loop-helix factor 2; Cardiovascular helix-loop-helix factor 2; CHF-2; CHF2; Class B basic helix-loop-helix protein 31; Hairy and enhancer of split related protein 1; Hairy and enhancer of split-related protein 1; Hairy enhancer-of-split related with YRPW motif protein 1; Hairy related transcription factor 1; Hairy-related transcription factor 1; Hairy/enhancer of split related with YRPW motif 1; Hairy/enhancer-of-split related with YRPW motif protein 1; HERP2; HES related repressor protein 1; HES-related repressor protein 1; HES-related repressor protein 2; HESR-1; HESR1; HEY 1; hey1; HEY1_HUMAN; hHRT1; HRT-1; HRT1; OAF1;
Description	Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3' (PubMed:11095750). Downstream effector of Notch signaling required for cardiovascular development. Specifically required for the Notch-induced endocardial epithelial to mesenchymal transition, which is itself critical for cardiac valve and septum development. May be required in conjunction with HEY2 to specify arterial cell fate or identity. Promotes maintenance of neuronal precursor cells and glial versus neuronal fate specification. Represses transcription by the cardiac transcriptional activators GATA4 and GATA6 and by the neuronal bHLH factors ASCL1/MASH1 and NEUROD4/MATH3 (PubMed:15485867). Involved in the regulation of liver cancer cells self-renewal (PubMed:25985737).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	32-34 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.