

# HEY1 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11897

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9Y5J3</a>
<b>Other Accession</b>	<a href="#">NM_012258</a> , <a href="#">NP_036390</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine, Sheep
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	32613

## Additional Information

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<b>Gene ID</b>	23462
<b>Alias Symbol</b> <b>Other Names</b>	CHF2, HERP2, HESR1, HRT-1, MGC1274, OAF1, BHLHb31 Hairy/enhancer-of-split related with YRPW motif protein 1, Cardiovascular helix-loop-helix factor 2, CHF-2, Class B basic helix-loop-helix protein 31, bHLHb31, HES-related repressor protein 1, Hairy and enhancer of split-related protein 1, HESR-1, Hairy-related transcription factor 1, HRT-1, hHRT1, HEY1, BHLHB31, CHF2, HERP2, HESR1, HRT1
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-HEY1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	HEY1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HEY1
<b>Synonyms</b>	BHLHB31, CHF2, HERP2, HESR1, HRT1
<b>Function</b>	Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3' (PubMed: <a href="#">11095750</a> ). 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](#)).

#### Cellular Location

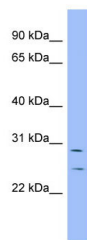
Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00380, ECO:0000255 | PROSITE-ProRule:PRU00981, ECO:0000269 | PubMed:26068074}

#### Tissue Location

Expressed in the somitic mesoderm, the central nervous system, the kidney, the heart, nasal epithelium, and limbs

## Images

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WB Suggested Anti-HEY1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:312500  
Positive Control: ACHN cell lysate

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