

# HEY2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP5914a

#### **Product Information**

Application WB, IHC-P, E Primary Accession Q9UBP5

Other Accession Q7KM13, Q9QUS4, Q9I9L0, Q9I8A3, Q9WV93, Q9Y5I3, Q8AXV6, Q2KIN4,

NP\_036391.1

**Reactivity** Human, Mouse

**Predicted** Bovine, Zebrafish, Xenopus, Drosophila

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB24640Calculated MW35808Antigen Region65-91

## **Additional Information**

**Gene ID** 23493

Other Names Hairy/enhancer-of-split related with YRPW motif protein 2, Cardiovascular

helix-loop-helix factor 1, hCHF1, Class B basic helix-loop-helix protein 32, bHLHb32, HES-related repressor protein 2, Hairy and enhancer of split-related protein 2, HESR-2, Hairy-related transcription factor 2, HRT-2, hHRT2, Protein

gridlock homolog, HEY2, BHLHB32, CHF1, GRL, HERP, HERP1, HRT2

Target/Specificity This HEY2 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 65-91 amino acids from the N-terminal

region of human HEY2.

**Dilution** WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** HEY2 Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

### **Protein Information**

Name HEY2

**Synonyms** BHLHB32, CHF1, GRL, HERP, HERP1, HRT2

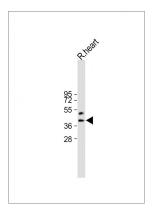
**Function** Downstream effector of Notch signaling which may be required for

cardiovascular development. Transcriptional repressor which binds preferentially to the canonical E box sequence 5'-CACGTG-3'. Represses transcription by the cardiac transcriptional activators GATA4 and GATA6.

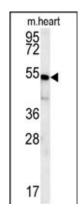
Cellular Location Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00380,

ECO:0000255 | PROSITE-ProRule:PRU00981}

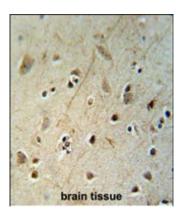
# **Images**



All lanes: Anti-HEY2 Antibody (N-term) at 1:1000 dilution Lane 1: rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 41kDa Blocking/Dilution buffer: 5% NFDM/TBST.



HEY2 Antibody (N-term) (Cat. #AP5914a) western blot analysis in mouse heart tissue lysates (15ug/lane). This demonstrates the HEY2 antibody detected HEY2 protein (arrow).



HEY2 antibody (N-term) (Cat. #AP5914a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HEY2 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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