


Anti-HEY1 antibody ab235173

[1 References](#) [2 Images](#)

Overview

Product name	Anti-HEY1 antibody
Description	Rabbit polyclonal to HEY1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Cow, Dog 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human cerebellum tissue. Hey1 variant 2 human recombinant protein. WB: A172 cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituent: PBS
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab235173 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 33 kDa.
IHC		1/100 - 1/200. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

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.

Tissue specificity

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

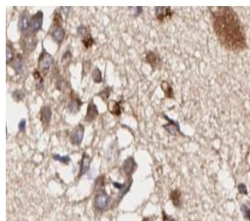
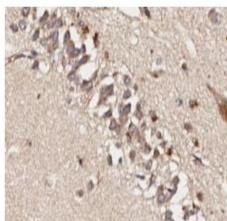
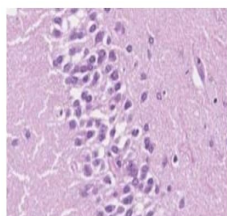
Sequence similarities

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

Cellular localization

Nucleus.

Images



Immunohistochemical analysis of human cerebellum tissue labeling Hey1 with ab235173 at 1/200 dilution (30 minutes at RT), followed by a ready to use anti-Rabbit polyclonal IgG (HRP) (8 minutes at RT). Primary staining is DAB. Counterstained with hematoxylin.

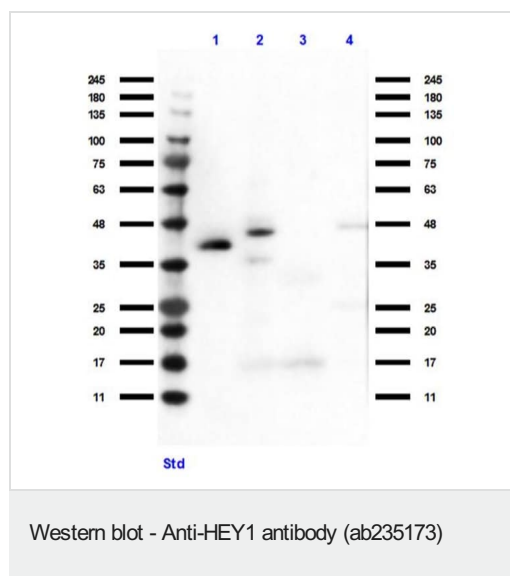
Perform heat mediated antigen retrieval using citrate buffer for 20 minutes.

Panel A: H&E staining.

Panel B: ab235173 at 20X magnification.

Panel C: ab235173 at 40X magnification.

Immunohistochemistry - Anti-HEY1 antibody
(ab235173)



All lanes : Anti-HEY1 antibody (ab235173) at 1/1000 dilution

Lane 1 : Hey1 variant 2 human recombinant protein, 50ng

Lane 2 : A-172 lysate at 35 µg

Lane 3 : Jurkat cell lysate at 35 µg

Lane 4 : Mouse brain tissue lysate at 35 µg

Secondary

All lanes : Goat anti Rabbit IgG [H&L] HRP at 1/70000 dilution

Predicted band size: 33 kDa

Exposure time: 19 seconds

Imaged on Chemidoc program.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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