


## Product datasheet

### Anti-HEY1 antibody ab154077

★★★★★ [2 Abreviews](#) [19 References](#) [3 Images](#)

#### Overview

|                     |   |
|---------------------|---|
| Product name        | Anti-HEY1 antibody  |
| Description         | Rabbit polyclonal to HEY1   |
| Host species        | Rabbit  |
| Tested applications | <b>Suitable for:</b> WB, ICC/IF   |
| Species reactivity  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Cow, Dog   |
| Immunogen           | Recombinant fragment corresponding to a region within amino acids 12-304 of Human HEY1.   |
| Positive control    | A549, H1299, HCT116 and MCF-7 whole cell lysates.   |
| 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&amp;As</p> |

#### Properties

|                      |   |
|----------------------|---|
| Form                 | Liquid  |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.                |
| Storage buffer       | pH: 7.00<br>Preservative: 0.025% Proclin 300<br>Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine) |
| Purity               | Immunogen affinity purified   |
| Clonality            | Polyclonal  |
| Isotype              | IgG   |

#### Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab154077 in the following tested applications.

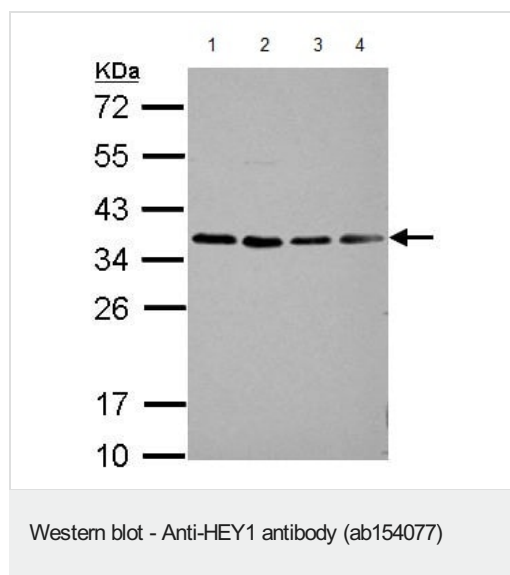
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | 1/500 - 1/3000. Predicted molecular weight: 33 kDa. |
| ICC/IF      |           | 1/100 - 1/2000.                                     |

## Target

|                              |  |
|------------------------------|--|
| <b>Function</b>              | 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. |
| <b>Tissue specificity</b>    | Expressed in the somitic mesoderm, the central nervous system, the kidney, the heart, nasal epithelium, and limbs.   |
| <b>Sequence similarities</b> | Belongs to the HEY family.<br>Contains 1 basic helix-loop-helix (bHLH) domain.<br>Contains 1 Orange domain.  |
| <b>Cellular localization</b> | Nucleus.   |

## Images



**All lanes :** Anti-HEY1 antibody (ab154077) at 1/1000 dilution

**Lane 1 :** A549 whole cell lysate

**Lane 2 :** H1299 whole cell lysate

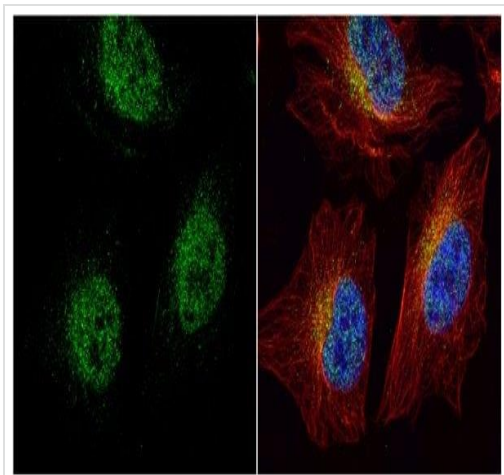
**Lane 3 :** HCT116 whole cell lysate

**Lane 4 :** MCF-7 whole cell lysate

Lysates/proteins at 30 µg per lane.

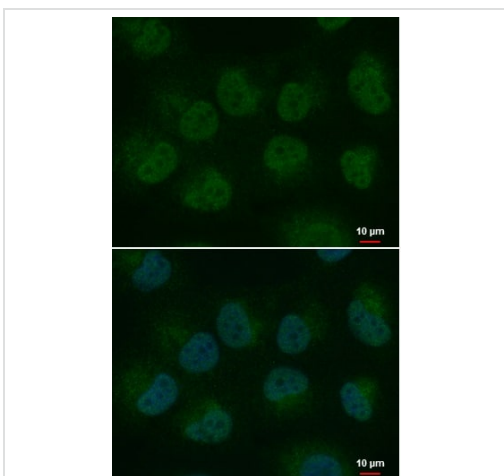
**Predicted band size:** 33 kDa

12% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-HEY1 antibody (ab154077)

ab154077 staining HEY1 in HeLa cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% paraformaldehyde. Samples were incubated with primary antibody (1/2000) (green). Alpha tubulin stained red and nuclei stained blue



Immunocytochemistry/ Immunofluorescence - Anti-HEY1 antibody (ab154077)

ab154077 staining HEY1 in H1299 cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% paraformaldehyde. Samples were incubated with primary antibody (1/1000) (green). Nuclei were stained blue with Hoechst 33342

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

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