

# HEY2 Recombinant antibody

Catalog Number: 83501-7-RR

## Basic Information

**Catalog Number:**

83501-7-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG30988

**GenBank Accession Number:**

BC007707

**GeneID (NCBI):**

23493

**UNIPROT ID:**

Q9UBP5

**Full Name:**

hairy/enhancer-of-split related with  
YRPW motif 2

**Calculated MW:**

36 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240474F2

**Recommended Dilutions:**

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, FC (Intra), ELISA

**Species Specificity:**

human

**Positive Controls:**

IF/ICC : HeLa cells,

## Background Information

Hairy/enhancer of split-related proteins, such as HEY2, are basic helix-loop-helix (bHLH) transcription factors implicated in cell fate decision and boundary formation. HEY genes are direct transcriptional targets of the Notch signaling pathways in Drosophila and vertebrates. HEY2 is similarly expressed in the somites whereas it shows a complementary expression in the heart, the craniofacial region and the nervous system. This antibody is a rabbit polyclonal antibody raised against full length of human HEY2.

## Storage

**Storage:**

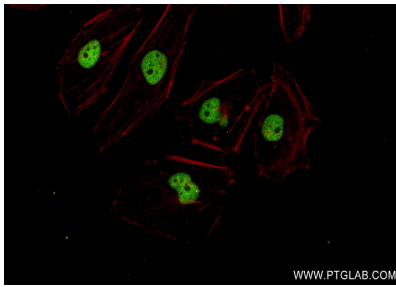
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

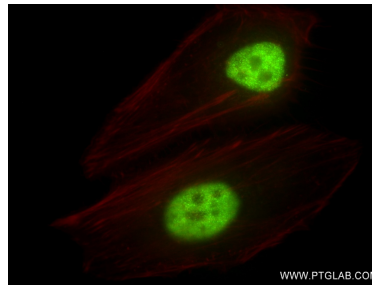
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

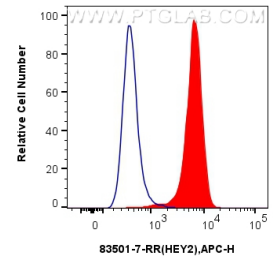
## Selected Validation Data



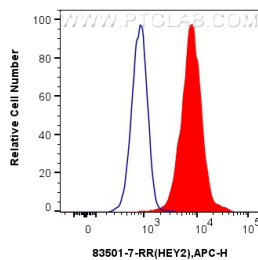
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HEY2 antibody (83501-7-RR, Clone: 240474F2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



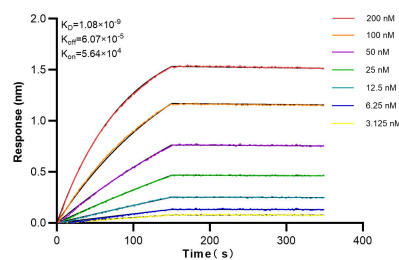
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$1 \times 10^6$  HEK-293 cells were intracellularly stained with 0.25 ug HEY2 Recombinant antibody (83501-7-RR, Clone:240474F2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Control Antibody (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25 ug HEY2 Recombinant antibody (83501-7-RR, Clone:240474F2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83501-7-RR against Human HEY2 were performed. The affinity constant is 1.08 nM.