

For Research Use Only

# HEY1 Polyclonal antibody

Catalog Number: 19929-1-AP

Featured Product

46 Publications



## Basic Information

**Catalog Number:**

19929-1-AP

**Size:**

313 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG13906

**GenBank Accession Number:**

BC001873

**GeneID (NCBI):**

23462

**UNIPROT ID:**

Q9Y5J3

**Full Name:**

hairy/enhancer-of-split related with YRPW motif 1

**Calculated MW:**

304 aa, 33 kDa

**Observed MW:**

32-34 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, FC, IHC, CoIP, ChIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB: mouse testis tissue, A549 cells, NCI-H1299 cells, rat testis tissue

IP: mouse kidney tissue,

## Background Information

Hairy/enhancer of split-related proteins are basic helix-loop-helix (bHLH) transcription factors implicated in cell fate decision and boundary formation. And HEY1 is one of such protein. It is the direct downstream effector of Notch signaling which may be required for cardiovascular development. It preferentially bind to the canonical E box sequence 5'-CACGTG-3' and acts as a transcriptional repressor. HEY1 is a 33kDa protein and forms dimer by self-associating.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhiwei Liao	36123708	J Nanobiotechnology	WB
LinXi Cheng	34489520	Commun Biol	FC, IF
Chun-Tao Lei	28871126	Sci Rep	WB

## 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

For technical support and original validation data for this product please contact:

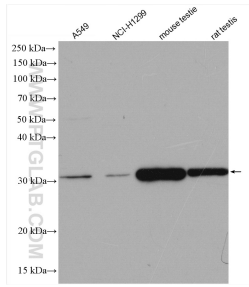
T: 4006900926

E: Proteintech-CN@ptglab.com

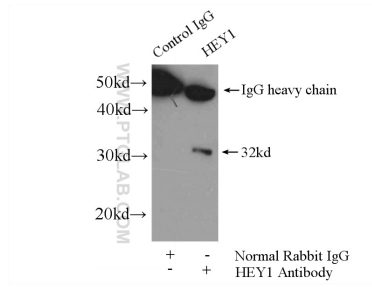
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19929-1-AP (HEY1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-HEY1 (IP:19929-1-AP, 4ug; Detection:19929-1-AP 1:500) with mouse kidney tissue lysate 4400ug.