

For Research Use Only

HEY1 Polyclonal ANTIBODY



Catalog Number: 19929-1-AP

13 Publications

Basic Information

Catalog Number:
19929-1-AP

Size:
47 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG13906

GenBank Accession Number:
BC001873

GeneID (NCBI):
23462

Full Name:
hairy/enhancer-of-split related with YRPW motif 1

Calculated MW:
304aa, 33 kDa

Observed MW:
32-34 kDa

Recommended Dilutions:

WB 1:1000-1:3000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

ChIP, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue;

IP : mouse kidney tissue;

IHC : human brain tissue; human 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
Chun-Tao Lei	28871126	Sci Rep	WB
Hua Xie	26539255	Oxid Med Cell Longev	WB
Ximing Shao	29042443	J Biol Chem	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

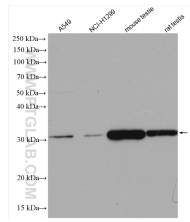
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

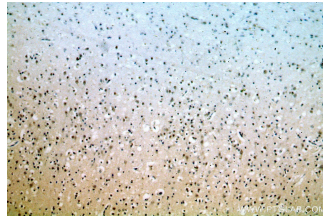
E: proteintech@ptglab.com
W: ptglab.com

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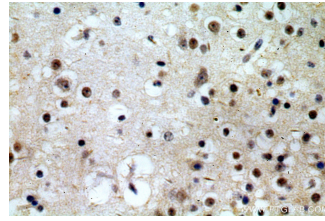
Selected Validation Data



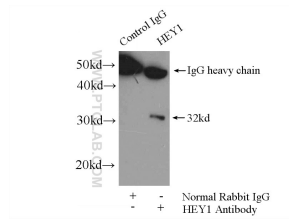
Various lysates were subjected to SDS PAGE followed by western blot with 19929-1-AP (HEY1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human brain using 19929-1-AP(HEY1 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human brain using 19929-1-AP(HEY1 antibody) at dilution of 1:100 (under 40x lens)



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