

HEY2

Polyclonal ANTIBODY

Catalog Number: 10597-1-AP

Featured Product

21 Publications

Basic Information

Catalog Number:
10597-1-AP

Size:
45 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG0913

GenBank Accession Number:
BC007707

GeneID (NCBI):
23493

Full Name:
hairy/enhancer-of-split related with YRPW motif 2

Calculated MW:
36 kDa

Observed MW:
36 kDa

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
ChIP, IF, 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 : K-562 cells; mouse heart tissue, MCF-7 cells, 4T1 cells

IP : mouse heart tissue;

IHC : human prostate cancer tissue;

IF : HepG2 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

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|----------------------|-------------|
| Takashi Morioka | 25264302 | Genesis | IF |
| Hua Xe | 26539255 | Oxid Med Cell Longev | WB |
| Wei Li | 29383147 | Oncotarget | WB |

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

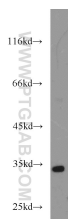
For technical support and original validation data for this product please contact:

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

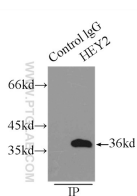
E: proteintech@ptglab.com
W: ptglab.com

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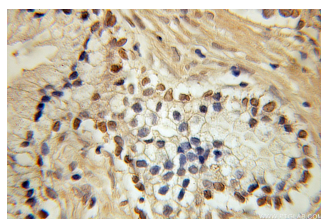
Selected Validation Data



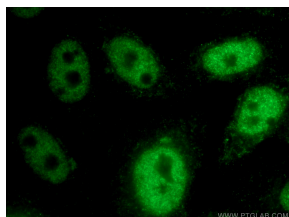
K-562 cells were subjected to SDS PAGE followed by western blot with 10597-1-AP(HEY2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



IP Result of anti-HEY2 (IP:10597-1-AP, 5ug; Detection:10597-1-AP 1:500) with mouse heart tissue lysate 7500ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10597-1-AP(HEY2 antibody) at dilution of 1:100 (under 10x lens)



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10597-1-AP(HEY2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)