

HEY2 Polyclonal antibody

Catalog Number: 10597-1-AP

Featured Product

42 Publications

Basic Information

Catalog Number:

10597-1-AP

Size:

150ul, Concentration: 300 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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

Purification Method:

Antigen affinity purification

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, CoIP, IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: 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
Zhiwei Liao	36123708	J Nanobiotechnology	WB
Mari Tezuka-Kagajo	32881630	Nucleic Acid Ther	

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

*** 20ul sizes contain 0.1% BSA

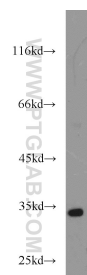
For technical support and original validation data for this product please contact:

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

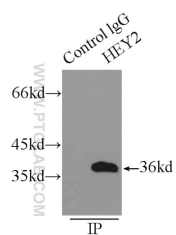
E: proteintech@ptglab.com
W: ptglab.com

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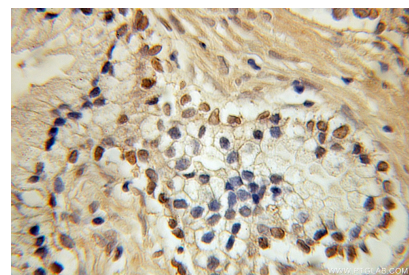
Selected Validation Data



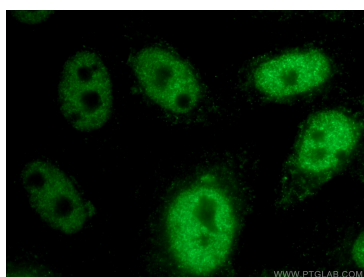
K-562 cells were subjected to SDS PAGE followed by western blot with 10597-1-AP (HEY2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).