

For Research Use Only

# HES5 Polyclonal antibody

Catalog Number: 22666-1-AP

14 Publications



## Basic Information

### Catalog Number:

22666-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18270

### GenBank Accession Number:

BC087840

### GeneID (NCBI):

388585

### UNIPROT ID:

Q5TA89

### Full Name:

hairy and enhancer of split 5 (Drosophila)

### Calculated MW:

18 kDa

### Observed MW:

41 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, mink

### Positive Controls:

WB : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

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

## Background Information

HES5, also known as bHLHb38, has a particular type of basic domain (presence of a helix-interrupting proline) that binds to the N-box (CACNAG), rather than the canonical E-box (CANNTG). HES5 is expressed in fetal heart and brain tumors. HES5 as a transcriptional repressor of genes that require a bHLH protein for their transcription and plays an important role as neurogenesis negative regulator. HES5 is detected with molecular weight of 41 kDa according to the publication (PMID: 24286475).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chao Liu	34912225	Front Pharmacol	WB
Hong-Mei Zhang	30510400	Drug Des Devel Ther	WB
Xin Li	35321633	Int J Neurosci	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

\*\*\* 20ul sizes contain 0.1% BSA

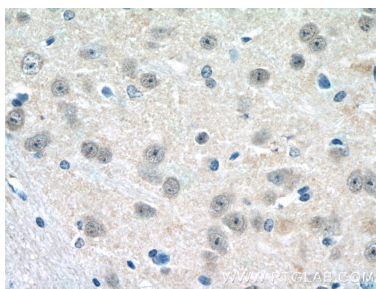
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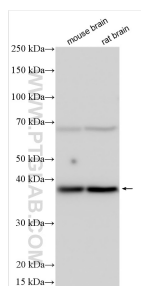
E: proteintech@ptglab.com  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 22666-1-AP (HES5 Antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 22666-1-AP (HES5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.