

HES5 Polyclonal antibody

Catalog Number: 22666-1-AP

14 Publications

Basic Information

Catalog Number:

22666-1-AP

Size:

600 µg/ml

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:

IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, mink

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 : mouse brain tissue, rat brain tissue

IHC : mouse brain tissue,

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

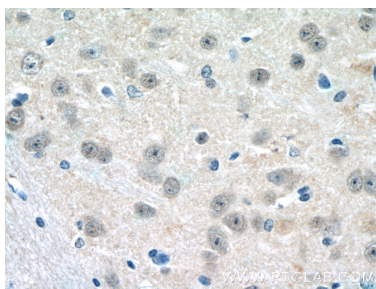
For technical support and original validation data for this product please contact:

T: 4006900926

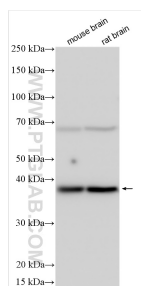
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Selected Validation Data



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.