

For Research Use Only

HES5 Polyclonal antibody

Catalog Number: 22666-1-AP **13 Publications**



Basic Information

Catalog Number: 22666-1-AP	GenBank Accession Number: BC087840	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 388585	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q5TA89	
Isotype: IgG	Full Name: hairy and enhancer of split 5 (Drosophila)	
Immunogen Catalog Number: AG18270	Calculated MW: 18 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue IHC : mouse brain tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mink, mouse	
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

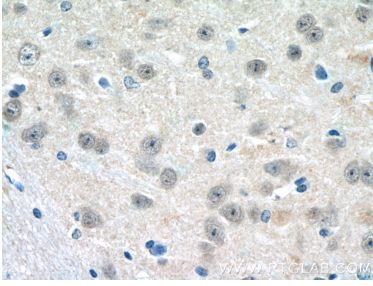
Storage

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

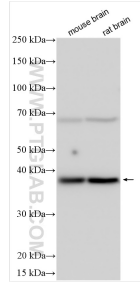
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Selected Validation Data



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.