

DLX5 Monoclonal antibody

Catalog Number: 67111-1-Ig

Basic Information

Catalog Number: 67111-1-Ig	GenBank Accession Number: BC006226	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 1749	CloneNo.: 1C9G1
Source: Mouse	UNIPROT ID: P56178	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: distal-less homeobox 5	
Immunogen Catalog Number: AG17040	Calculated MW: 32 kDa Observed MW: 33-38 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat, pig

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 : PC-12 cells, A375 cells, U-251 cells, THP-1 cells, pig brain tissue, rat brain tissue, mouse brain tissue

IHC : mouse brain tissue,

Background Information

DLX5 belongs to the DLX family of homeobox transcription factors (Dlx1, Dlx2, Dlx5 and Dlx6), which is expressed in overlapping domains at different stages of cell differentiation in the subpallium and controls differentiation of GABAergic neurons. DLX5 is an immediate early BMP-responsive transcriptional activator that essential for osteoblast differentiation. It can bind to and stimulate the homeodomain-response element of the ALPL and SP7 promoter. DLX5 can form homodimer with DLX2 (~34kd) and heterodimer with MSX2 (~29kd).

Storage

Storage:

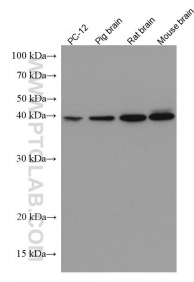
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

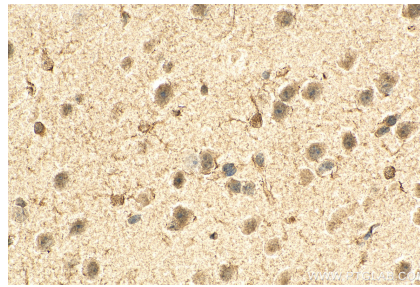
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67111-1-Ig (DLX5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67111-1-Ig (DLX5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).