

For Research Use Only

DLX1 Polyclonal antibody

Catalog Number: 13046-1-AP

2 Publications



Basic Information

Catalog Number:

13046-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3586

GenBank Accession Number:

BC036189

GeneID (NCBI):

1745

UNIPROT ID:

P56177

Full Name:

distal-less homeobox 1

Calculated MW:

255 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

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 : human brain tissue, A375 cells, HeLa cells

IHC : mouse brain tissue,

Background Information

Distal-less homeobox 1(DLX1) is a member of the DLX family of homeobox transcription factors, which is essential for the production of forebrain GABAergic interneurons during embryonic development. The DLX family of homeobox transcription factors (Dlx1, Dlx2, Dlx5 and Dlx6) is expressed in overlapping domains at different stages of cell differentiation in the subpallium and controls differentiation of GABAergic neurons. DLX1 possibly has a role in craniofacial patterning and morphogenesis and involves in the early development of diencephalic subdivisions.

Notable Publications

Author	Pubmed ID	Journal	Application
Peide Bai	32368149	Cancer Manag Res	WB
Ruiqi Yu	39138375	Cell Death Differ	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

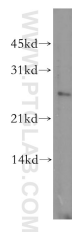
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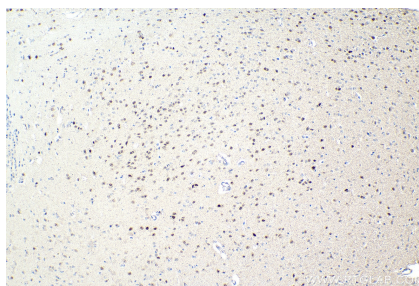
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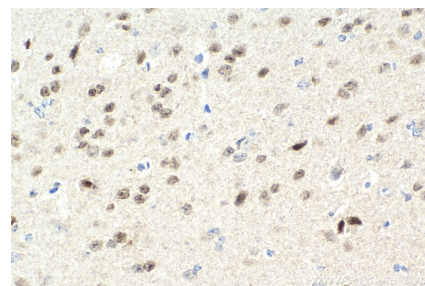
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 13046-1-AP (DLX1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13046-1-AP (DLX1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13046-1-AP (DLX1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).