

For Research Use Only

# DLX2 Polyclonal antibody

Catalog Number: 26244-1-AP

4 Publications



## Basic Information

### Catalog Number:

26244-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24663

### GenBank Accession Number:

BC032558

### GeneID (NCBI):

1746

### UNIPROT ID:

Q07687

### Full Name:

distal-less homeobox 2

### Calculated MW:

34 kDa

### Observed MW:

45-50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF, IHC, CoIP

### Species Specificity:

human, mouse

### 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: NIH/3T3 cells,

IHC: mouse brain tissue,

IF/ICC: SH-SY5Y cells,

## Background Information

DLX2, also named as Homeobox protein DLX-2, is a 328 amino acid protein, which contains 1 homeobox DNA-binding domain and belongs to the distal-less homeobox family. DLX2 localizes in the nucleus and is a Phosphoprotein. DLX2 likely to play a regulatory role in the development of the ventral forebrain and may play a role in craniofacial patterning and morphogenesis. The calculated molecular weight of DLX2 is 34 kDa, but modified DLX2 is about 45-50 kDa. (PMID: 14769946)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xukun Li	35917972	Cancer Lett	IHC
Christopher Y Chen	30408033	PLoS One	IF
Qi Cui	30787286	Cell Death Dis	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

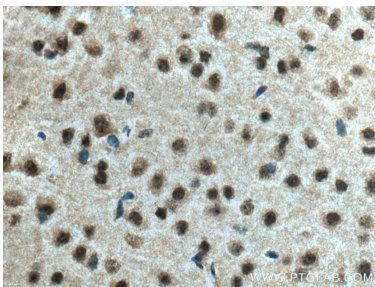
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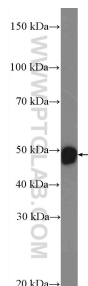
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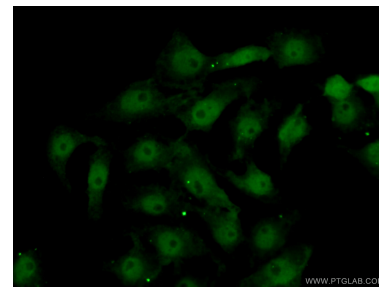
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26244-1-AP (DLX2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 26244-1-AP (DLX2 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde) fixed SH-SY5Y cells using 26244-1-AP (DLX2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).