

For Research Use Only

DLX5 Polyclonal antibody

Catalog Number: 10592-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

10592-1-AP

Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0910

GenBank Accession Number:

BC006226

GeneID (NCBI):

1749

UNIPROT ID:

P56178

Full Name:

distal-less homeobox 5

Calculated MW:

32 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : A549 cells, A375 cells, U-251 cells

IHC : human thymus 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Liming Wang	31566718	J Cell Physiol	WB
Uchida Kenzo K	21914169	Arthritis Res Ther	IHC
Okamoto Hideharu H	22937097	PLoS One	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

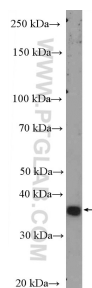
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

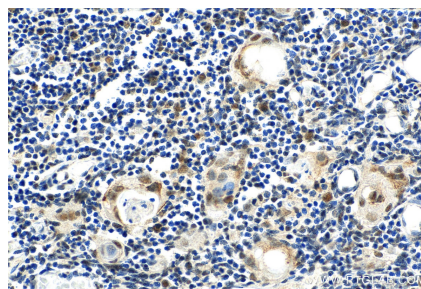
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 10592-1-AP (DLX5 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thymus tissue slide using 10592-1-AP (DLX5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).