

For Research Use Only

HOXD13 Polyclonal antibody

Catalog Number: 18736-1-AP

3 Publications



Basic Information

Catalog Number:

18736-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC148863

GeneID (NCBI):

3239

UNIPROT ID:

P35453

Full Name:

homeobox D13

Calculated MW:

343 aa, 36 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: A549 cells, rat brain tissue, Jurkat cells, mouse lung tissue, mouse brain tissue

IP: A549 cells,

IHC: human brain tissue, human hepatocirrhosis tissue, human liver cancer tissue

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

HOXD13, also named as HOX4l, belongs to the Abd-B homeobox family. HOXD13 is a sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Mutation of HOXD13 will cause synpolydactyly (SPD), brachydactyly type D (BDD), syndactyly type 5brachydactyly-syndactyly syndrome (BDSD) or brachydactyly type E (BDE). Present polyclonal anti-HOX13D antibody(18736-1-AP) is produced by immunizing animals with part of N-terminus chain of HOX13D and detect a 36-kDa band in cell and tissues.

Notable Publications

Author	Pubmed ID	Journal	Application
Fei-Yang Jin	30431285	Mol Pharm	
Xingyue Ma	39744569	J Cancer	WB
Lishan Zhang	36804539	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

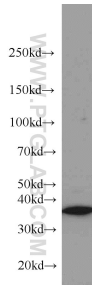
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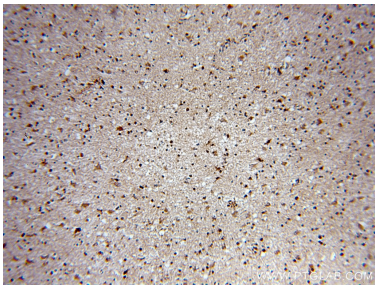
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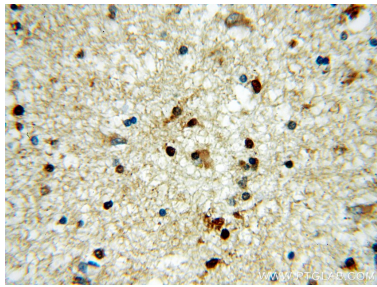
Selected Validation Data



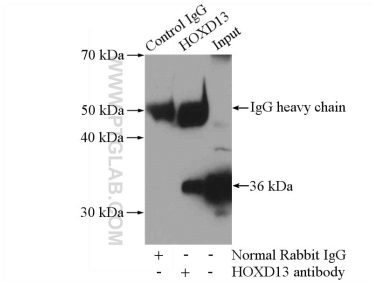
A549 cells were subjected to SDS PAGE followed by western blot with 18736-1-AP (HOXD13 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 18736-1-AP (HOXD13 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 18736-1-AP (HOXD13 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-HOXD13 (IP:18736-1-AP, 4ug; Detection:18736-1-AP 1:500) with A549 cells lysate 1600ug.