

For Research Use Only

# HOXD13 Polyclonal antibody

Catalog Number: 18736-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 18736-1-AP	<b>GenBank Accession Number:</b> BC148863	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3239	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> homeobox D13	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 343 aa, 36 kDa	
	<b>Observed MW:</b> 36 kDa	

## Applications

**Tested Applications:**  
IHC, IP, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
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:** 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

## 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 (BDSB) 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	
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

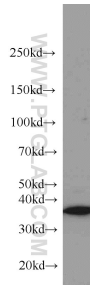
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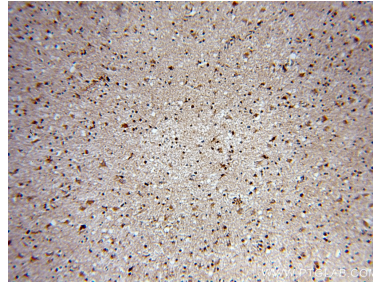
E: proteintech@ptglab.com  
W: ptglab.com

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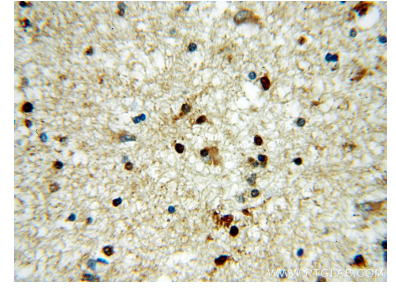
## Selected Validation Data



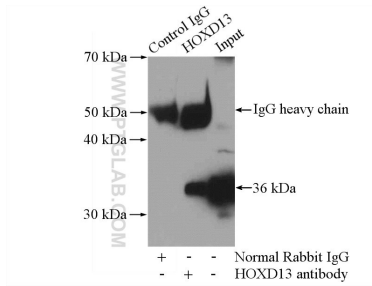
A549 cells were subjected to SDS PAGE followed by western blot with 18736-1-AP (HOXD13 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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.