

## MOXD1 Polyclonal antibody

Catalog Number: 11545-1-AP **2 Publications**

## Basic Information

<b>Catalog Number:</b> 11545-1-AP	<b>GenBank Accession Number:</b> BC018756	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 26002	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6UVY6	
<b>Isotype:</b> IgG	<b>Full Name:</b> monooxygenase, DBH-like 1	
<b>Immunogen Catalog Number:</b> AG2060	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 63-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue IHC : mouse brain tissue, rat brain tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Monooxygenase DBH like 1 (MOXD1) is a member of the copper monooxygenase family, including dopamine monooxygenase (dopamine β-monooxygenase, DBM) and peptidylglycine α-hydroxylating monooxygenase (PHM). MOXD1 is expressed during the development of the neural crest, and distributed along the olfactory bulb, cerebellum, brain stem, and parietal cortex with the development of nerve cells, participating in the basal plate. MOXD1 is highly expressed in GBM cells and can promote the growth of cancer cells (PMID: 35393406). In addition, MOXD1 is a gate-keeper of organ homeostasis and functions as a tumor-suppressor in neuroblastoma

## Notable Publications

Author	Pubmed ID	Journal	Application
Tongtong Pan	38042280	Life Sci	WB,IHC
Fuhai Bai	37889347	Funct Integr Genomics	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

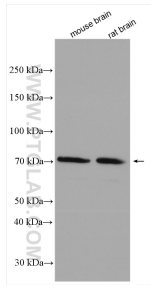
For technical support and original validation data for this product please contact:

T: 4006900926

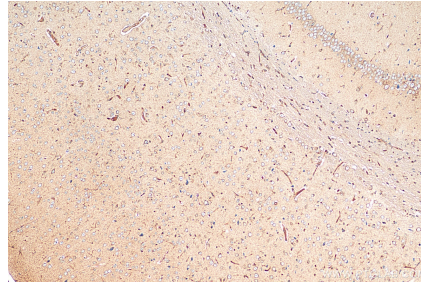
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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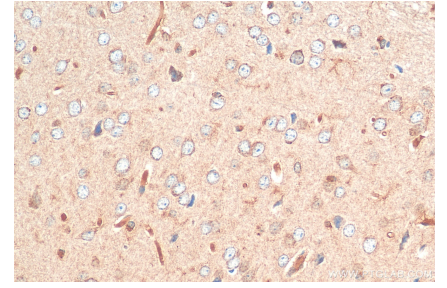
## Selected Validation Data



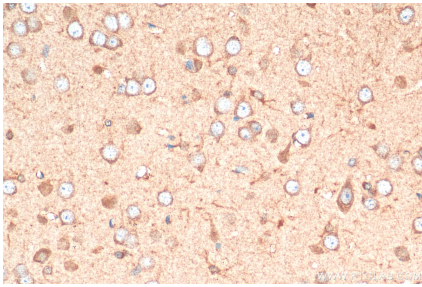
Various lysates were subjected to SDS PAGE followed by western blot with 11545-1-AP (MOXD1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



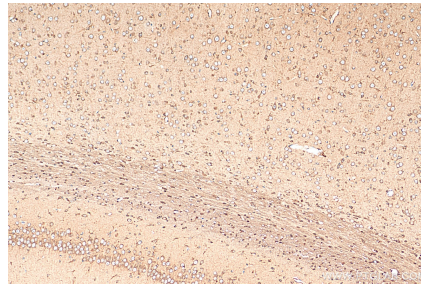
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).