

For Research Use Only

MOXD1 Polyclonal antibody

Catalog Number: 11545-1-AP

2 Publications



Basic Information

Catalog Number: 11545-1-AP	GenBank Accession Number: BC018756	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 26002	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q6UVY6	IHC 1:50-1:500
Isotype: IgG	Full Name: monooxygenase, DBH-like 1	IF-P 1:50-1:500
Immunogen Catalog Number: AG2060	Calculated MW: 69 kDa	
	Observed MW: 63-70 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	IHC : mouse brain tissue, rat brain tissue
Cited Species: human, mouse	IF-P : mouse brain 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

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

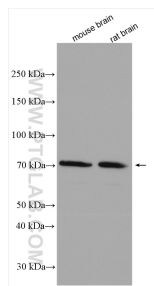
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

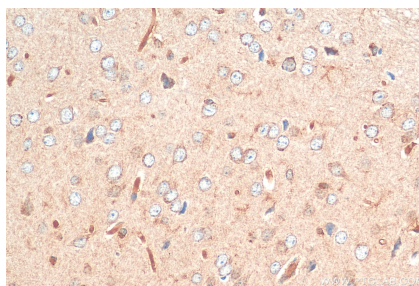
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

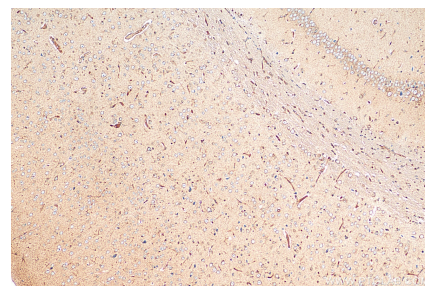
Selected Validation Data



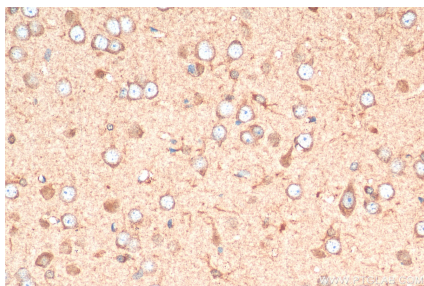
Various lysates were subjected to SDS PAGE followed by western blot with 11545-1-AP (MOXD1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



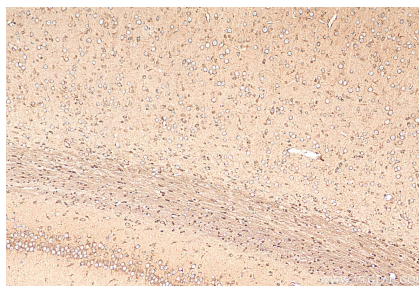
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



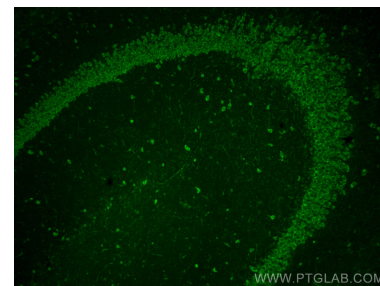
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



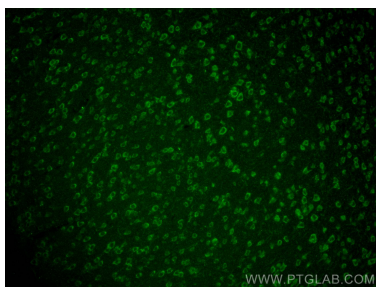
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 11545-1-AP (MOXD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MOXD1 antibody (11545-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MOXD1 antibody (11545-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).