

For Research Use Only

# Teneurin 1 Polyclonal antibody

Catalog Number: 21696-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 21696-1-AP	<b>GenBank Accession Number:</b> BC140783	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 699 µg/ml	<b>GeneID (NCBI):</b> 10178	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UKZ4	
<b>Isotype:</b> IgG	<b>Full Name:</b> odz, odd Oz/ten-m homolog 1(Drosophila)	
<b>Immunogen Catalog Number:</b> AG16289	<b>Calculated MW:</b> 2732 aa, 306 kDa	
	<b>Observed MW:</b> 305 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> mouse brain tissue, H69/H146 cells, human brain tissue, rat brain tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human brain tissue, mouse brain tissue
<b>Cited Species:</b> human	
<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

ODZ1 (also known as teneurin-1, TENM1), which plays a key role in central nervous system ontogenesis. ODZ1 is upregulated in Glioblastoma cells through a Stat3-mediated pathway activated by IL-6, which is released by tumor-associated monocytes. In addition, a hypoxic microenvironment regulates GBM tumor cell migration in part by inducing ODZ1 through hypomethylation of a CpG island in the ODZ1 promoter.

## Notable Publications

Author	Pubmed ID	Journal	Application
Barretina Jordi J	22460905	Nature	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:

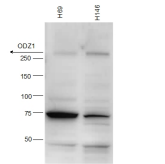
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

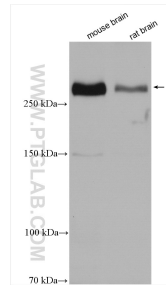
**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data

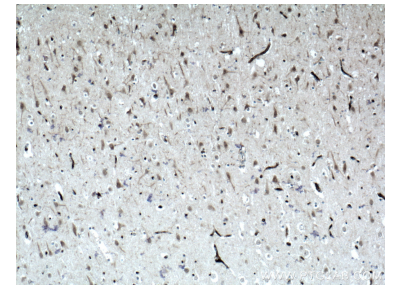


Blocking 5% milk 1h room temperature  
ODZ1 antibody 1:1000 dilution in 5% milk overnight 4°C  
Rabbit secondary 1:2000 dilution in 5% milk  
ECL Prime 7 min

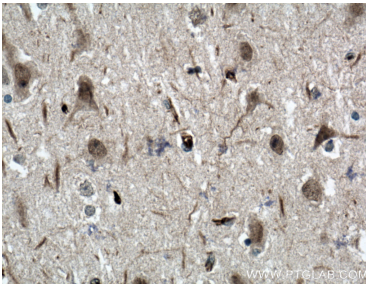
WB result of anti-ODZ1 (21696-1-AP) with two cell lines by Dr. Petrini, Iacopo.



Various lysates were subjected to SDS PAGE followed by western blot with 21696-1-AP (ODZ1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 21696-1-AP (ODZ1 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 human brain tissue slide using 21696-1-AP (ODZ1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).