

For Research Use Only

# Teneurin 1 Polyclonal antibody, PBS Only

Catalog Number: 21696-1-PBS



## Basic Information

Catalog Number:

21696-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16289

GenBank Accession Number:

BC140783

GeneID (NCBI):

10178

UNIPROT ID:

Q9UKZ4

Full Name:

odz, odd Oz/ten-m homolog  
1(Drosophila)

Calculated MW:

2732 aa, 306 kDa

Observed MW:

305 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

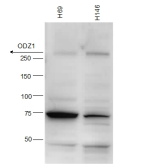
T: 4006900926

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

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

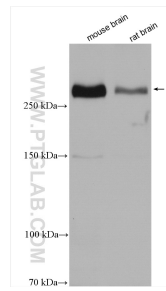
**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data

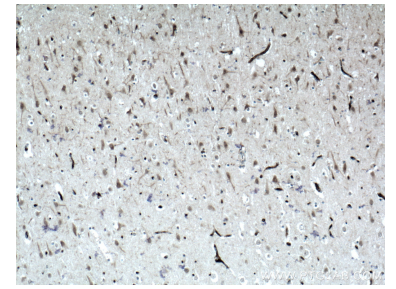


Blocking 5% milk 1h room temperature  
ODZ1 antibody 1:1000 dilution in 5% milk overnight 4C  
Rabbit secondary 1:2000 dilution in 5% milk  
ECL Prime 7 min

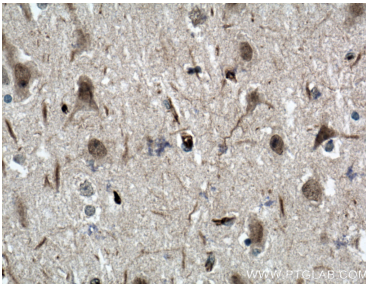
WB result of anti-ODZ1 (21696-1-AP) with two cell lines by Dr. Petrini, Jacopo. This data was developed using the same antibody clone with 21696-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 21696-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21696-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 21696-1-PBS in a different storage buffer formulation.