

For Research Use Only

# Teneurin 1 Polyclonal antibody, PBS Only

Catalog Number: 21696-1-PBS



## Basic Information

**Catalog Number:**

21696-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS only, pH7.3

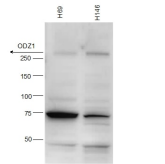
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

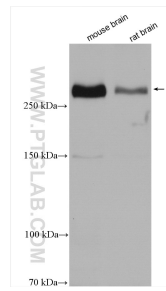
**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data

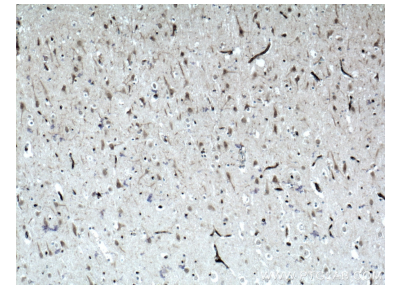


Blocking 5% milk 1h room temperature  
ODZ1 antibody 1:1000 dilution in 5% milk overnight 4C  
Rabbit secondary 1:2000 dilution in 5% milk  
ECL Prime 7 min

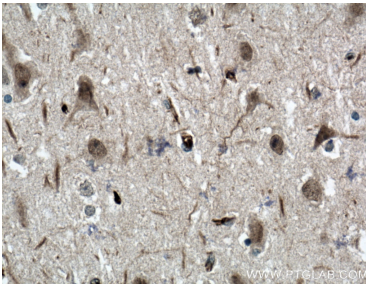
WB result of anti-ODZ1 (21696-1-AP) with two cell lines by Dr. Petrini, Jacopo. This data was developed using the same antibody clone with 21696-1-PBS in a different storage buffer formulation.



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.