

For Research Use Only

Teneurin 1 Polyclonal antibody

Catalog Number: 21696-1-AP

2 Publications



Basic Information

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

Applications

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

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
Yinghong Wu	39139739	Genet Res (Camb)	WB
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:

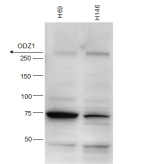
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

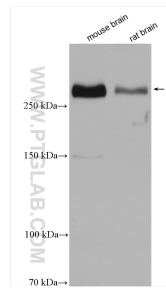
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

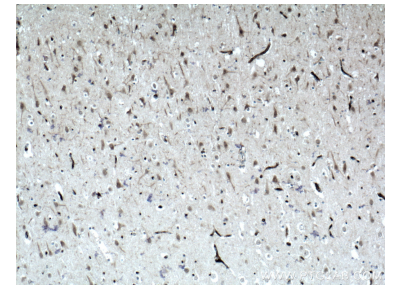


Blocking 5% milk 1h room temperature
ODZ1 antibody 1:1000 dilution in 5% milk overnight 4°C
Rabbit secondary 1:2000 dilution in 5% milk
ECL Prime 7 min

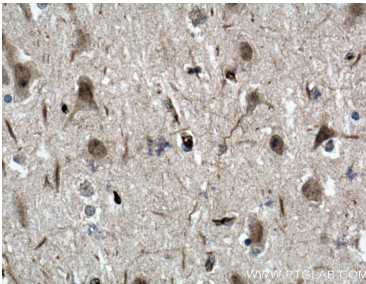
WB result of anti-ODZ1 (21696-1-AP) with two cell lines by Dr. Petrini, Iacopo.



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).