

For Research Use Only

# Teneurin-3 Polyclonal antibody

Catalog Number: 31971-1-AP



## Basic Information

<b>Catalog Number:</b> 31971-1-AP	<b>GenBank Accession Number:</b> NM_001080477	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55714	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9P273	
<b>Isotype:</b> IgG	<b>Full Name:</b> odz, odd Oz/ten-m homolog 3 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG36331	<b>Calculated MW:</b> 300kDa	
	<b>Observed MW:</b> 250 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, mouse testis tissue
<b>Species Specificity:</b> human, mouse	

## Background Information

Teneurin-3, also known as Ten-m3, Odz3, Ten-m/Odz3, is a ~300 kDa type II transmembrane glycoprotein that is a member of the teneurin/Ten-m/Odz family. Ten-m3 plays a critical role in regulating connectivity of the nervous system, particularly in axon pathfinding and synaptic organisation in the motor and visual system. Mutation in the TENM3/ODZ3 gene in humans has been associated with the eye condition, microphthalmia (PMID 22766609). TENM3 is expressed in adult and fetal brain, slightly lower levels in testis and ovary, and intermediate levels in all other peripheral tissues examined.

## 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

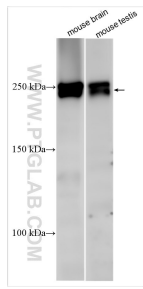
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31971-1-AP (ODZ3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.