

[Go to Product page](#)

Datasheet for ABIN6992125

**anti-ODZ1/Teneurin 1 antibody (N-Term)**

## Overview

Quantity:	0.1 mg
Target:	ODZ1/Teneurin 1 (TENM1)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ODZ1/Teneurin 1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	TENM1 antibody was raised against an 18 amino acid peptide near the amino terminus of human TENM1. The immunogen is located within the first 50 amino acids of TENM1.
Isotype:	IgG
Specificity:	TENM1 antibody is human, mouse and rat reactive. TENM1 antibody is predicted to not cross-react with other members of the TENM family.
Purification:	TENM1 antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	ODZ1/Teneurin 1 (TENM1)
Alternative Name:	TENM1 ( <a href="#">TENM1 Products</a> )

## Target Details

Background:	The teneurin transmembrane protein 1 (TENM1) is a member of a family of four neuronal cell surface proteins homologous to the Drosophila pair-rule gene Ten-m (1,2). TENM1 is expressed primarily in the developing central nervous system and may be proteolytically cleaved with the intracellular domain translocating to the nucleus (3). TENM1 is a direct target of the homeobox transcription factor EMX2, a transcription factor thought to be important for area specification in the developing cortex (4).
Molecular Weight:	Predicted: 301 kDa  Observed: 280 kDa
Gene ID:	10178
NCBI Accession:	<a href="#">NP_001156750</a>
UniProt:	<a href="#">Q9UKZ4</a>
Pathways:	<a href="#">Regulation of Actin Filament Polymerization</a>

## Application Details

Application Notes:	TENM1 antibody can be used for detection of TENM1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TENM1 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

## Handling

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Storage Comment: TENM1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.