

ODZ3 / Teneurin-3 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2827a**Specification**

ODZ3 / Teneurin-3 Antibody (internal region) - Product Information

Application	IHC, IF
Primary Accession	Q9P273
Other Accession	NP_001073946.1 , 55714 , 23965 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	300950

ODZ3 / Teneurin-3 Antibody (internal region) - Additional Information**Gene ID** 55714**Other Names**

Teneurin-3, Ten-3, Protein Odd Oz/ten-m homolog 3, Tenascin-M3, Ten-m3, Teneurin transmembrane protein 3, TENM3, KIAA1455, ODZ3, TNM3

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ODZ3 / Teneurin-3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ODZ3 / Teneurin-3 Antibody (internal region) - Protein Information**Name** TENM3 ([HGNC:29944](#))**Function**

Involved in neural development by regulating the establishment of proper connectivity within the nervous system. Acts in both pre- and postsynaptic neurons in the hippocampus to control the assembly of a precise topographic projection: required in both CA1 and subicular neurons for the precise targeting of proximal CA1 axons to distal subiculum, probably by promoting homophilic cell adhesion. Required for proper dendrite morphogenesis and axon targeting in the vertebrate visual system, thereby playing a key role in the development of the visual pathway. Regulates the

formation in ipsilateral retinal mapping to both the dorsal lateral geniculate nucleus (dLGN) and the superior colliculus (SC). May also be involved in the differentiation of the fibroblast-like cells in the superficial layer of mandibular condylar cartilage into chondrocytes.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q9WTS6}; Single-pass membrane protein {ECO:0000250|UniProtKB:Q9WTS6}. Cell projection, axon {ECO:0000250|UniProtKB:Q9WTS6}

Tissue Location

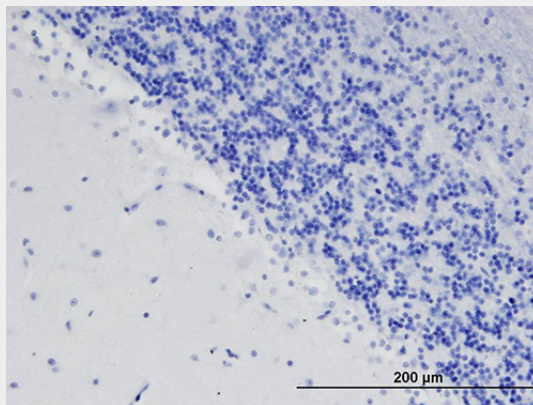
Expressed in adult and fetal brain, slightly lower levels in testis and ovary, and intermediate levels in all other peripheral tissues examined. Not expressed in spleen or liver Expression was high in brain, with highest levels in amygdala and caudate nucleus, followed by thalamus and subthalamic nucleus

ODZ3 / Teneurin-3 Antibody (internal region) - Protocols

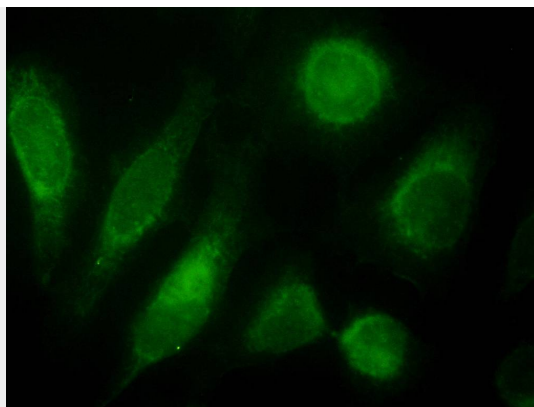
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ODZ3 / Teneurin-3 Antibody (internal region) - Images



AF2827a (1.5 µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF2827a (10ug/ml) staining of nuclei HeLa cells (green). Detected by immunofluorescence.

ODZ3 / Teneurin-3 Antibody (internal region) - References

The mammalian Odz gene family: homologs of a Drosophila pair-rule gene with expression implying distinct yet overlapping developmental roles. Ben-Zur T, Feige E, Motro B, Wides R. Dev Biol. 2000 Jan 1;217(1):107-20. PMID: 10625539