固生蛋白 3 抗体

产品货号： mlR9061

英文名称： ODZ3

中文名称： 固生蛋白 3 抗体

别　　名： ODZ3 like protein; Protein Odd Oz ten m homolog 3; Ten 3; Ten M3; Tenascin M3; Teneurin 3; Teneurin3; TNM3; FLJ10474; FLJ10886; KIAA1455; odd Oz Ten m homolog 3; odz odd Oz ten m homolog 3 (Drosophila); odz odd Oz ten m homolog 3; TEN3_HUMAN.

研究领域： 肿瘤　细胞生物　免疫学　神经生物学　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 301kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human ODZ3/Teneurin 3:1721-1850/2699 <Extracellular>

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： Teneurin-3, also known as Ten-3, TNM3 or ODZ3, is a 2,699 amino acid single-pass type II

membrane protein that contains 25 YD repeats, 8 EGF-like domains, 5 NHL repeats and one teneurin N-terminal domain. Localized to the membrane and expressed in brain, testis and ovary, Teneurin-3 exists as a disulfide-liked homodimer that is thought to function as a cellular signal transducer. Additionally, Teneurin-3 may participate in eye-specific patterning in the visual pathway and is required for aligned binocular vision. The gene encoding Teneurin-3 maps to chromosome 4. Representing approximately 6% of the human genome, chromosome 4 contains nearly 900 genes, one of which is the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Function:

Involved in neural development, regulating the establishment of proper connectivity within the nervous system. Promotes axon guidance and homophilic cell adhesion. Plays a 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 be involved in the differentiation of the fibroblast-like cells in the superficial layer of mandibular condylar cartilage into chondrocytes. May function as a cellular signal transducer (By similarity).

Subunit:

Homodimer; disulfide-linked (Probable).

Subcellular Location:

Membrane; Single-pass type II membrane protein.Cell projection, axon (By similarity).

Tissue Specificity:

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.

DISEASE:

Note=Defects in TENM3 are a cause of microphthalmia, isolated, with coloboma (MCOPCB). Microphthalmia is a disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues. Ocular abnormalities like opacities of the cornea and lens, scaring of the retina and choroid, cataract and other abnormalities like cataract may also be present. Ocular colobomas are a set of malformations resulting from abnormal morphogenesis of the optic cup and stalk, and the fusion of the fetal fissure (optic fissure). [SIMILARITY] Belongs to the tenascin family. Teneurin subfamily.

Similarity:

Contains 8 EGF-like domains.

Contains 5 NHL repeats.

Contains 1 teneurin N-terminal domain.

Contains 23 YD repeats.

SWISS:

Q9P273

Gene ID:

55714

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片