TRIOBP 蛋白抗体

产品货号： mlR17152

英文名称： TRIOBP

中文名称： TRIOBP 蛋白抗体

别　　名： DFNB28; KIAA1662; Protein TARA; TARA; TARA_HUMAN; Tara like protein; TRIO and F actin binding protein; Trio and filamentous actin binding protein; Trio associated repeat on actin.

研究领域： 细胞生物　信号转导　结合蛋白　细胞骨架

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （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： 261kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human TRIOBP:2251-2365/2365

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 ℃ 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℃. 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 ℃.

PubMed： PubMed

产品介绍： This gene encodes a protein with an N-terminal pleckstrin homology domain and a C-terminal coiled-coil region. The protein interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility and cell growth. The protein also associates with F-actin and stabilizes F-actin structures. Mutations in this gene have been associated with a form of autosomal recessive nonsyndromic deafness. Multiple alternatively spliced transcript variants that would encode different isoforms have been found for this gene, however some transcripts may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Nov 2008]

Function:

TRIOBP is a protein that interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility and cell growth. This trio binding protein also associates with F actin and stabilizes F actin structures.

Subunit:

Binds to TRIO and F-actin. May also interact with myosin II. Interacts with HECTD3.

Subcellular Location:

Nucleus. Cytoplasm; cytoskeleton. Note: Localized to F-actin in a periodic pattern.

Tissue Specificity:

Widely expressed. Highly expressed in heart and placenta. Isoform 3 is expressed in fetal brain, retina and cochlea but is not detectable in the other tissues.

Post-translational modifications:

Ubiquitinated by HECTD3, leading to its degradation by the proteasome.

Isoform 1: Phosphorylation at Thr-457 by PLK1 ensures mitotic progression and is essential for accurate chromosome segregation.

DISEASE:

Deafness, autosomal recessive, 28 (DFNB28) [MIM:609823]: A form of non-syndromic sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Contains 1 PH domain.

SWISS:

Q9H2D6

Gene ID:

11078

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