遮蔽蛋白肌球蛋白轻链激酶抗体

产品货号： mlR21129

英文名称： OBSCN

中文名称： 遮蔽蛋白肌球蛋白轻链激酶抗体

别　　名： BC046431; Gm878; KIAA1556; KIAA1639; OBSCN; OBSCN_HUMAN; Obscurin; Obscurin-MLCK; Obscurin-myosin light chain kinase; Obscurin-RhoGEF; OTTMUSG00000005786; UNC89.

研究领域： 细胞生物　发育生物学　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

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： 868kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human OBSCN:101-200/7963

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

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 background:

The obscurin gene spans more than 150 kb, contains over 80 exons and encodes a protein of approximately 720 kDa. The encoded protein contains 68 Ig domains, 2 fibronectin domains, 1 calcium/calmodulin-binding domain, 1 RhoGEF domain with an associated PH domain, and 2 serine-threonine kinase domains. This protein belongs to the family of giant sacromeric signaling proteins that includes titin and nebulin, and may have a role in the organization of myofibrils during assembly and may mediate interactions between the sarcoplasmic reticulum and myofibrils. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Function:

Involved in myofibrillogenesis. Seems to be involved in assembly of myosin into sarcomeric A bands in striated muscle. Isoform 3 together with ANK1 isoform Mu17/Ank1.5 may provide a molecular link between the sarcoplasmic reticulum and myofibrils.

Subcellular Location:

Cytoplasm > myofibril > sarcomere > M line. Cytoplasm > myofibril > sarcomere > Z line. In differentiating skeletal muscle cells, isoform 3 primarily localizes to the sarcomeric M-line and less frequently to the Z-disk. Isoform 3 colocalizes with ANK1 isoform Mu17/ank1.5 at the M-line in differentiated skeletal muscle cells.

Similarity:

Belongs to the protein kinase superfamily.

CAMK Ser/Thr protein kinase family.

Contains 1 DH (DBL-homology) domain.

Contains 3 fibronectin type-III domains.

Contains 55 Ig-like (immunoglobulin-like) domains.

Contains 1 IQ domain.

Contains 2 PH domains.

Contains 2 protein kinase domains.

Contains 1 SH3 domain.

SWISS:

Q5VST9

Gene ID:

84033

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

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