驱动蛋白家族成员 5C 抗体

产品货号： mlR17061

英文名称： KIF5C

中文名称： 驱动蛋白家族成员 5C 抗体

别　　名： KIFC5C; FLJ44735; KIAA0531; KIF5C_HUMAN; KIF 5C; KIF5C; KIF5C protein; Kinesin family member 5C; Kinesin heavy chain neuron specific 2; Kinesin heavy chain neuron specific; Kinesin5C; KINN; MGC111478; NKHC 2; NKHC; NKHC2.

研究领域： 细胞生物　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 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： 109kDa

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 KIF5C:701-800/957

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： Neuronal kinesin heavy chain 2 (NKHC2) is a 1,032 amino acid protein that is part of the kinesin superfamily which consists of the heavy chains of conventional kinesin. NKHC is expressed throughout the central nervous system, but is highly expressed in certain subsets of neurons. NKHC has a unique C-terminal stretch of 69 amino acids and interacts with dystrobrevin, an adaptor/scaffolding protein. This interaction may play a role in the transport and targeting of components of the dystrophin-associated protein complex to precice sites in the cell. NKHC may also be involved in the microtubule-dependent slow axonal transport of neurofilament proteins during the maturation of neuronal cells.

Function:

Mediates dendritic trafficking of mRNAs (By similarity). Kinesin is a microtubule-associated force-producing protein that may play a role in organelle transport.

Subunit:

Oligomer composed of two heavy chains and two light chains. Interacts with GRIP1 and KLC3 (By similarity). Interacts with TRAK1.

Subcellular Location:

Cytoplasm, cytoskeleton

Tissue Specificity:

Highest expression in brain, prostate and testis, and moderate expression in kidney, small intestine and ovary.

DISEASE:

Cortical dysplasia, complex, with other brain malformations 2 (CDCBM2) [MIM:615282]: A disorder of aberrant neuronal migration and disturbed axonal guidance. Clinical features include intrauterine growth retardation, fetal akinesia, seizures, microcephaly, lack of psychomotor development, and arthrogryposis. Brain imaging shows malformations of cortical development, including polymicrogyria, gyral simplification, and thin corpus callosum. {ECO:0000269|PubMed:23603762}. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:

Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin subfamily.

Contains 1 kinesin motor domain.

SWISS:

Q9JKY8

Gene ID:

94118

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