周期素 M2 抗体

产品货号： mlR6912

英文名称： Cyclin M2

中文名称： 周期素 M2 抗体

别　　名： ACDP2; Ancient conserved domain containing protein 2; Ancient conserved domain protein 2; Ancient conserved domain-containing protein 2; CNNM 2; CNNM2; CNNM2_HUMAN; Cyclin M2; Cyclin-M2; Metal transporter CNNM2; OTTHUMP00000020387; OTTHUMP00000020388.

研究领域： 细胞生物　免疫学　信号转导　细胞周期蛋白　通道蛋白　细胞膜受体　细胞分化　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=3ug/Test 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： 96kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： **1**mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Cyclin M2/CNNM2:51-150/875

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： Cyclin M2, also known as CNNM2 or ACDP2 (ancient conserved domain-containing protein 2), is an 875 amino acid multi-pass membrane protein that contains two CBS domains and belongs to the ACDP family. Expressed in a variety of tissues with highest expression in placenta, brain and kidney, cyclin M2 functions as a divalent metal cation transporter that mediates the transport of several different metal cations, including Mg2+, Co2+ and Fe2+. Cyclin M2 exists as multiple alternatively spliced isoforms and, contrary to its name, exhibits no cyclin-like function in vivo. The gene encoding cyclin M2 maps to human chromosome 10, which houses over 1,200 genes and comprises nearly 4.5% of the human genome. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromatic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

Function:

Divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg(2+) > Co(2+) > Mn(2+) > Sr(2+) > Ba(2+) > Cu(2+) > Fe(2+

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Widely expressed. Expressed at higher level in brain, kidney and placenta, while it is weakly expressed in skeletal muscle. In the kidney, it is expressed in the distal convoluted tubule and the thick ascending limb of Henle loop.

DISEASE:

Defects in CNNM2 are the cause of hypomagnesemia type 6 (HOMG6) [MIM:613882]. A renal disease characterized by severely lowered serum magnesium levels in the absence of other electrolyte disturbances. Affected individuals show an inappropriately normal urinary magnesium excretion, demonstrating a defect in tubular reabsorption. Age of clinical onset is highly variable and some affected individuals are asymptomatic.

Similarity:

Belongs to the ACDP family.

Contains 2 CBS domains.

Contains 1 DUF21 domain.

SWISS:

Q9H8M5

Gene ID:

54805

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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Good elisakit producers