细胞膜钙转运 ATP 酶抗体

产品货号： mlR6499

英文名称： PMCA2

中文名称： 细胞膜钙转运 ATP 酶抗体

别　名： ATP2B1; ATP2B2; ATP2B3; ATP2B4; ATPase Ca++ transporting plasma membrane 1; ATPase Ca++ transporting plasma membrane 2; ATPase Ca++ transporting plasma membrane 3; ATPase Ca++ transporting plasma membrane 4; Plasma membrane calcium transporting ATPase 1; Plasma membrane calcium transporting ATPase 2; Plasma membrane calcium transporting ATPase 3; Plasma membrane calcium transporting ATPase 4; PMCA1; PMCA2; PMCA3; PMCA4; AT2B2_HUMAN.

研究领域： 肿瘤　细胞生物　免疫学　信号转导　转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 137kDa

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 PMCA:361-460/1243 <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： Plasma membrane-type Ca2+-ATPases (PMCAs) mediate the export of bivalent calcium ions from eukaryotic cells. As members of the P class of ion-motive ATPases, PMCAs are a functionally diverse group of proteins that are derived from alternatively spliced transcripts originating from at least four distinct genes. The expression of different PMCA isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, and with respect to the physiological needs of specific cell and tissue types. Spatial and temporal rates of resting intracellular Ca2+ concentrations and Ca2+ signaling in eukaryotic cells are dependent on the array of PMCA isoforms that are expressed in concert with the rate of Ca2+ export.

Function:

This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Mainly expressed in brain cortex. Found in low levels in skeletal muscle, heart muscle, stomach, liver, kidney and lung. Isoforms containing segment B are found in brain cortex and at low levels in other tissues. Isoforms containing segments X and W are found at low levels in all tissues. Isoforms containing segment A and segment Z are found at low levels in skeletal muscle and heart muscle.

Similarity:

Belongs to the cation transport ATPase (P-type) (TC 3.A.3) family. Type IIB subfamily.

SWISS:

Q01814

Gene ID:

491

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