

## 钠钙交换蛋白 2 抗体

产品货号： mIR1997

英文名称： NCX2

中文名称： 钠钙交换蛋白 2 抗体

别名： SLC8A2; Sodium/calcium exchanger 2; solute carrier family 8 (sodium/calcium exchanger), member 2; Na(+)/Ca(2+)-exchange protein 2; Na+/Ca2+ exchanger 2; sodium/calcium exchanger 2 precursor; Slc8a2; NAC2\_HUMAN; SLC8A2.

研究领域： 细胞生物 免疫学 神经生物学 信号转导 交换蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 98kDa

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 NCX2:601-700/921 <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：** Sodium/calcium exchanger proteins are integral membrane proteins primarily seen in cardiac cells. In cardiac myocytes, the concentration of Ca<sup>2+</sup> alternates between low levels during relaxation and high levels during contraction. The Na<sup>+</sup>/Ca<sup>2+</sup> exchanger 1 (NCX1) protein mediates Ca<sup>2+</sup> extrusion from cardiac cells during relaxation. Four NCX1 isoforms (NCX1.1, NCX1.3, NCX1.7, and NCX1.10) result from alternate splicing. NCX1 mRNA is present at high levels in the heart, with lower levels present in the brain. NCX2 is most abundantly expressed in brain, in contrast the the broader distribution of NCX1, which is also expressed in heart, kidney, lung, smooth and skeletal muscle. The difference in expression for the transporter subtypes is believed to reflect differences in their functional roles. Regulation mechanisms for these exchanger proteins have not been fully characterized.

**Function:**

Rapidly transports Ca(2+) during excitation-contraction coupling. Ca(2+) is extruded from the cell during relaxation so as to prevent overloading of intracellular stores (By similarity).

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the sodium/potassium/calcium exchanger family. SLC8 subfamily.

Contains 2 Calx-beta domains.

**SWISS:**

Q9UPR5

**Gene ID:**

6543

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

钠钙交换蛋白又称钠钙交换体，有三种同分异构体,即 NCX1、NCX2 和 NCX3。2 型 Na-Ca 交换蛋白-NCX2, 很多组织中都有表达，分布与胞浆及胞膜。