

产品名称: NCX1 (13Y2) Rabbit Monoclonal Antibody

产品货号: AMRe14460

产品概述 (Summary)

描述(Description)	Recombinant rabbit monoclonal antibody
宿主(Host)	Rabbit
应用(Application)	WB
种属反应(Reactivity)	Human, Mouse, Rat
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Monoclonal
剂型(Form)	Liquid
保存条件(Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% New type preservative
储存溶液(Buffer)	N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:1000-1:5000
分子量(Molecular Weight)	109kDa

抗原信息(Antigen Information)

基因名(Gene Name)	SLC8A1
别名(Alternative Names)	Na ⁺ /Ca ²⁺ exchanger; NCX1; SLC8A1;
基因 ID(Gene ID)	6546.0
SwissProt ID	P32418
免疫原(Immunogen)	A synthetic peptide of human NCX1

研究背景 (Background)

Rapidly transports Ca²⁺ during excitation-contraction coupling. Ca²⁺ is extruded from the cell during relaxation so as to prevent overloading of intracellular stores. Mediates the exchange of one Ca²⁺ ion against three to four Na⁺ ions across the

cell membrane, and thereby contributes to the regulation of cytoplasmic Ca^{2+} levels and Ca^{2+} -dependent cellular processes (PubMed:1374913, PubMed:11241183, PubMed:1476165). Contributes to Ca^{2+} transport during excitation-contraction coupling in muscle. In a first phase, voltage-gated channels mediate the rapid increase of cytoplasmic Ca^{2+} levels due to release of Ca^{2+} stores from the endoplasmic reticulum. SLC8A1 mediates the export of Ca^{2+} from the cell during the next phase, so that cytoplasmic Ca^{2+} levels rapidly return to baseline. Required for normal embryonic heart development and the onset of heart contractions.

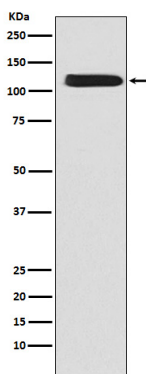
研究领域 (Research Area)

Calcium; Cardiac muscle contraction; Hypertrophic cardiomyopathy (HCM); Arrhythmogenic right ventricular cardiomyopathy (ARVC); Dilated cardiomyopathy;

注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of NCX1 expression in K562 cell lysate.

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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