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## anti-SLC8A2 antibody

2 Images



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#### Overview

Quantity:	100 μL
Target:	SLC8A2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC8A2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	Synthetic peptide of Human SLC8A2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antigen affinity purification

### **Target Details**

Target:	SLC8A2
Alternative Name:	SLC8A2 (SLC8A2 Products)
Background:	Background: Sodium/calcium exchanger proteins are integral membrane proteins primarily seen in cardiac cells. In cardiac myocytes, the concentration of Ca2+ alternates between low
	levels during relaxation and high levels during contraction. The Na+/Ca2+ exchanger 1 (NCX1)
	protein mediates Ca2+ extrusion from cardiac cells during relaxation. Four NCX1 isoforms

#### **Target Details**

(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.

Aliases: SLC8A2 antibody, KIAA1087 antibody, NCX2 antibody, Sodium/calcium exchanger 2

antibody, Na(+)/Ca(2+)-exchange protein 2 antibody, Solute carrier family 8 member 2 antibody

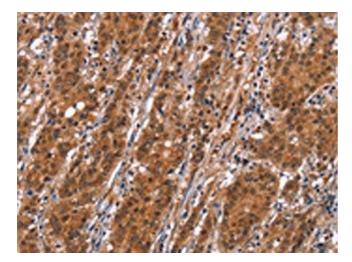
UniProt: Q9UPR5

#### **Application Details**

Application Notes:	ELISA:1:1000-1:2000, IHC:1:25-1:100,
Restrictions:	For Research Use only

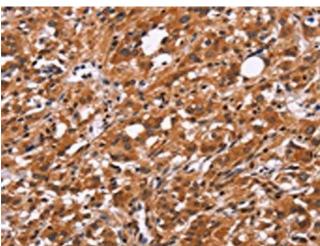
#### Handling

Format:	Liquid
Buffer:	-20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### **Immunohistochemistry**

**Image 1.** The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ABIN7192526(SLC8A2 Antibody) at dilution 1/15, on the right is treated with synthetic peptide. (Original magnification: x200)



#### **Immunohistochemistry**

**Image 2.** The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABIN7192526(SLC8A2 Antibody) at dilution 1/15, on the right is treated with synthetic peptide. (Original magnification: x200)