



Rabbit Anti-NCX3 antibody

SL2057R

Product Name:	NCX3
Chinese Name:	钠钙Exchange protein3抗体
Alias:	AW742262; MGC90626; Na(+)/Ca(2+)-exchange protein 3; Na+/Ca ²⁺ exchange protein 3; Na+/Ca ²⁺ exchanger 3; NAC3_HUMAN; NCX3; SCL8A3; Sodium calcium exchanger form 3; Sodium/calcium exchanger 3; Sodium/calcium exchanger SLC8A3; Solute carrier family 8 sodium calcium exchanger member 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	100kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NCX3:641-740/927<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	SLC8A3 is a member of the sodium/calcium exchanger integral membrane protein family. Three mammalian isoforms in family 8 have been identified. Na ⁺ /Ca ²⁺ exchange proteins are involved in maintaining Ca ²⁺ homeostasis in a wide variety of

cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na⁺ for Ca²⁺ occurs in an electrogenic manner.

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.

Tissue Specificity:

Isoform 2 is expressed in brain and skeletal muscle. Isoform 3 is expressed in excitable cells of brain, retina and skeletal muscle. Isoform 4 is expressed in skeletal muscle.

Similarity:

Belongs to the sodium/potassium/calcium exchanger family. SLC8 subfamily. Contains 2 Calx-beta domains.

SWISS:

P57103

Gene ID:

6547

Database links:

[Entrez Gene: 6547](#)Human

[Entrez Gene: 110893](#)Mouse

[Entrez Gene: 140448](#)Rat

[Omim: 607991](#)Human

[SwissProt: P57103](#)Human

[SwissProt: P70549](#)Rat

[Unigene: 337696](#)Human

[Unigene: 443748](#)Mouse

[Unigene: 67030](#)Rat

Important Note:

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

钠钙Exchange

protein又称钠钙交换体,有三种同分异构体,即NCX1、NCX2和NCX3。3型Na-CaExchange protein-NCX3,主要在脑组织表达,分布与胞浆及胞膜。

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