



Rabbit Anti-ACCN4 antibody

SL12129R

Product Name:	ACCN4
Chinese Name:	脑钠Channel protein4抗体
Alias:	Accn4; ACCN4_HUMAN; Acid sensing (proton gated) ion channel family member 4; Acid sensing ion channel 4; Acid-sensing ion channel 4; Amiloride sensitive cation channel 4; Amiloride sensitive cation channel 4 pituitary; Amiloride sensitive cation channel family member 4 pituitary; Amiloride-sensitive cation channel 4; Amiloride-sensitive cation channel 4; ASIC4; BNAC4; Brain sodium channel 4; pituitary.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	70kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ACCN4/ASIC4:451-550/647<Extracellular>
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:	This gene belongs to the superfamily of acid-sensing ion channels, which are proton-gated, amiloride-sensitive sodium channels. These channels have been implicated in

synaptic transmission, pain perception as well as mechanoperception. This gene is predominantly expressed in the pituitary gland, and was considered a candidate for paroxysmal dystonic choreoathetosis (PDC), a movement disorder, however, no correlation was found between mutations in this gene and PDC. [provided by RefSeq, Feb 2012].

Function:

Probable cation channel with high affinity for sodium. In vitro, has no proton-gated channel activity.

Subunit:

Homotrimer or heterotrimer with other ASIC proteins.

Subcellular Location:

.Membrane; Multi-pass membrane protein.

Tissue Specificity:

Expressed in pituitary gland. Weakly expressed in brain, vestibular system and organ of Corti.

Similarity:

Belongs to the amiloride-sensitive sodium channel (TC 1.A.6) family. ACCN4 subfamily.

SWISS:

Q96FT7

Gene ID:

55515

Database links:

[Entrez Gene: 55515](#)Human

[Entrez Gene: 241118](#)Mouse

[Entrez Gene: 63882](#)Rat

[Omim: 606715](#)Human

[SwissProt: Q96FT7](#)Human

[SwissProt: Q7TNS7](#)Mouse

[SwissProt: Q9JHS6](#)Rat

[Unigene: 87469](#)Human

[Unigene: 110790](#)Mouse

[Unigene: 44831](#)Rat

Important Note:

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

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