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Rabbit Anti-ASIC3 antibody

SL12132R

Product Name:	ASIC3
Chinese Name:	酸敏感离子Channel protein3抗体
Alias:	ASICs3; ACCN 3; ACCN3; ASIC3_HUMAN; Acid sensing ion channel 3; Acid-sensing ion channel 3; Amiloride sensitive cation channel 3; Amiloride sensitive cation channel 3 testis; Amiloride-sensitive cation channel 3; ASIC 3; ASIC3; DRASIC; hASIC 3; hASIC3; hTNaC 1; hTNaC1; Modulatory subunit of ASIC 2a; Modulatory subunit of ASIC2a; Neuronal amiloride sensitive cation channel 3; Neuronal amiloride-sensitive cation channel 3; Proton gated cation channel subunit; SLNAC 1; SLNAC1; Testis sodium channel 1; TNaC 1; TNaC1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Horse,
Applications:	WB=1:500-2000ELISA=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:	59kDa
Cellular localization:	cytoplasmicThe cell membraneExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ASIC3:342-420/531<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:	Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Generates a biphasic current with a fast inactivating and a slow sustained phase. In sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissue. May be involved in hyperalgesia. May play a role in mechanoreception. Heteromeric channel assembly seems to modulate channel properties. **Function:** Cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. Generates a biphasic current with a fast inactivating and a slow sustained phase. In sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissue. May be involved in hyperalgesia. May play a role in mechanoreception. Heteromeric channel assembly seems to modulate channel properties. **Subunit:** Homotrimer or heterotrimer with other ASIC proteins (By similarity). Interacts with STOM and DLG4 (By similarity). Interacts with LIN7B, MAGI1/BAIAP1, GOPC and ASIC2. **Subcellular Location:** Cell membrane. Cytoplasm. Cell surface expression may be stabilized by interaction with LIN7B and cytoplasmic retention by interaction with DLG4. In part cytoplasmic in cochlea cells. **Tissue Specificity:** Expressed by sensory neurons. Strongly expressed in brain, spinal chord, lung, lymph nodes, kidney, pituitary, heart and testis. **Post-translational modifications:** Phosphorylated by PKA. Phosphorylated by PKC. In vitro, PRKCABP/PICK-1 is necessary for PKC phosphorylation and activation of a ACCN3/ASIC3-ACCN1/ASIC2b channel, but does not activate a homomeric ACCN3 channel. **DISEASE:** Expressed in fetal tissues, expression increases in lung and kidney adult tissues. **Similarity:** Belongs to the amiloride-sensitive sodium channel (TC 1.A.6) family. ACCN3 subfamily. **SWISS:** Q9UHC3 **Gene ID:** 9311

	Database links: Entrez Gene: 9311 Human Entrez Gene: 171209 Mouse Entrez Gene: 286920 Rat Omim: 611741 Human SwissProt: Q9UHC3 Human SwissProt: Q6X1Y6 Mouse SwissProt: O35240 Rat Unigene: 647113 Human Unigene: 299636 Mouse Unigene: 24225 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.