Datasheet for ABIN571604

anti-ASIC3 antibody (AA 50-100)

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Overview

Quantity:	500 µg
Target:	ASIC3 (ACCN3)
Binding Specificity:	AA 50-100
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ASIC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit antibody to extracellular ASIC3 (50-100)
Immunogen:	A synthetic peptide from AA 50-100 of rat ASIC3 conjugated to blue carrier protein was used as the antigen. The peptide is homologous in mouse.
Isotype:	IgG
Specificity:	Specific for ASIC3.
Cross-Reactivity:	Mouse, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	ASIC3 (ACCN3)
Alternative Name:	ASIC3 (ACCN3 Products)
Background:	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: Homotetramer or heterotetramer with other ASIC proteins (Probable). Interacts with STOM and DLG4. Interacts with LIN7B MAGI1/BAIAP1 GOPC and ACCN1. SUBCELLULAR LOCATION: Cell membrane, Multi-pass membrane protein. Cytoplasm. Note: 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. DEVELOPMENTAL STAGE: Expressed in fetal tissues expression increases in lung and kidney adult tissues.
UniProt:	O35240

Application Details

Application Notes:	IHC WB. A concentration of 10-50,micro,g,ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µl of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months