

Rabbit anti-Human, Mouse ASIC1 Polyclonal Antibody | anti-ASIC1 antibody

ASIC1 Antibody

CATALOG # AAA234755	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Western Blot, ELISA
-------------------------------	-----------------------	-----------------------------------	--

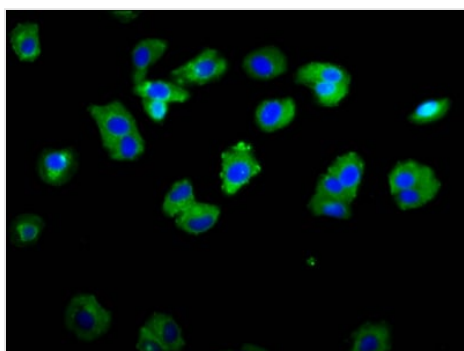
PRODUCT SYNONYMS

ASIC1; Polyclonal Antibody; ASIC1 Antibody; Acid-sensing ion channel 1; Amiloride-sensitive cation channel 2; neuronal; Brain sodium channel 21; ACCN2; BNAC2; anti-ASIC1 antibody

PRODUCT SPECIFICATIONS

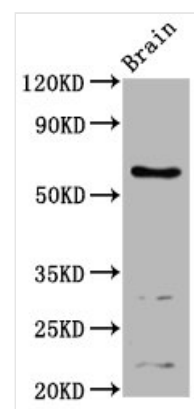
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	528
Applicable Applications for anti-ASIC1 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Acid-sensing ion channel 1 protein (195-297AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cells with AAA234755 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



WB (Western Blot)

Western Blot Positive WB detected in: Mouse brain tissue All lanes: ASIC1 antibody at 4.24ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 60, 65, 63 kDa Observed band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-ASIC1 antibody	Isoform 2 and isoform 3 function as proton-gated sodium channels; they are activated by a drop of the extracellular pH and then become rapidly desensitized. The channel generates a biphasic current with a fast inactivating and a slow sustained phase. Has high selectivity for sodium ions and can also transport lithium ions with high efficiency. Isoform 2 can also transport potassium, but with lower efficiency. It is nearly impermeable to the larger rubidium and cesium ions. Isoform 3 can also transport calcium ions. Mediates glutamate-independent Ca(2+) entry into neurons upon acidosis. This Ca(2+) overloading is toxic for cortical neurons and may be in part responsible for ischemic brain injury. Heteromeric channel assembly seems to modulate channel properties. Functions as a postsynaptic proton receptor that influences intracellular Ca(2+) concentration and calmodulin-dependent protein kinase II phosphorylation and thereby the density of dendritic spines. Modulates activity in the circuits underlying innate fear.
Product Categories/Family for anti-ASIC1 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536349
NCBI GeneID	41
NCBI Accession #	NP_001086.2
NCBI GenBank Nucleotide #	NM_001095.3
UniProt Accession #	P78348; P78349; Q96CV2; A3KN86; E5KBL7
Molecular Weight	62,700 Da
NCBI Official Full Name	acid-sensing ion channel 1 isoform b
NCBI Official Synonym Full Names	acid sensing ion channel subunit 1
NCBI Official Symbol	ASIC1
NCBI Official Synonym Symbols	ASIC; ACCN2; BNaC2
NCBI Protein Information	acid-sensing ion channel 1
UniProt Protein Name	Acid-sensing ion channel 1
UniProt Gene Name	ASIC1
UniProt Synonym Gene Names	ACCN2; BNAC2; BNaC2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/asic1-antibody-immunofluorescence-western-blot-elisa/234755>