

Rabbit ACCN2 Polyclonal Antibody | anti-ASIC1 antibody

ACCN2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23442	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

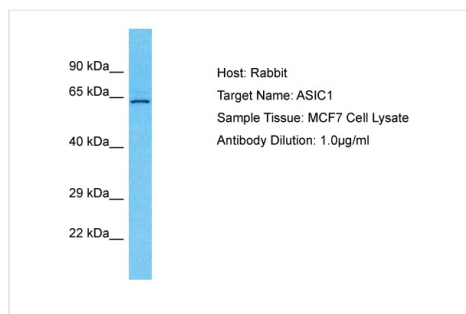
PRODUCT SYNONYMS

ACCN2; Polyclonal Antibody; ACCN2 antibody - N-terminal region; anti-ASIC1 antibody

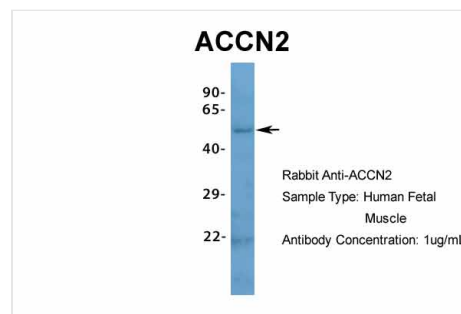
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ME LKAEEEVGG VQPVSQAFA SSSTLHGLAH IFSYERLSLK RALWALCF
Sequence Length	574
Applicable Applications for anti-ASIC1 antibody	WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACCN2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

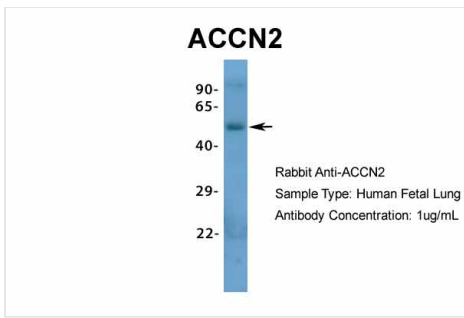
IMAGES


WB (Western Blot)

Host: RabbitTarget Name: ASIC1Sample Type: MCF7 Whole Cell lysatesAntibody Dilution: 1.0 µg/ml

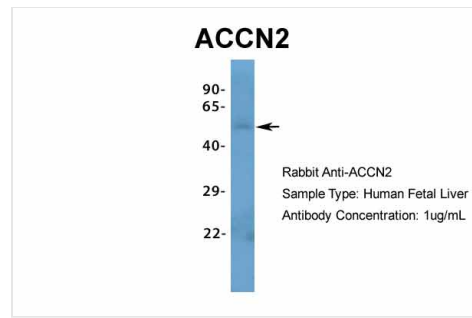

WB (Western Blot)

Host: RabbitTarget Name: ACCN2Sample Type: Human Fetal MuscleAntibody Dilution: 1.0 µg/ml



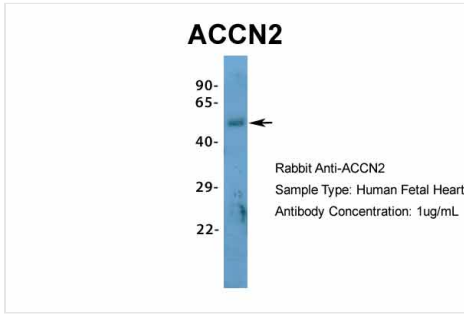
WB (Western Blot)

Host: RabbitTarget Name: ACCN2Sample Type: Human Fetal LungAntibody Dilution: 1.0ug/ml



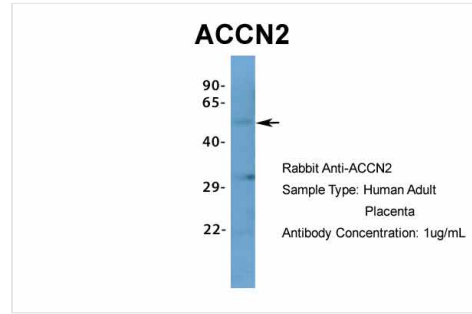
WB (Western Blot)

Host: RabbitTarget Name: ACCN2Sample Type: Human Fetal LiverAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: ACCN2Sample Type: Human Fetal HeartAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: ACCN2Sample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ASIC1 antibody

This is a rabbit polyclonal antibody against ACCN2. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: ACCN2 is the cation channel with high affinity for sodium, which is gated by extracellular protons and inhibited by the diuretic amiloride. ACCN2 is also permeable for Ca²⁺, Li⁺ and K⁺. ACCN2 generates a biphasic current with a fast inactivating and a slow sustained phase. ACCN2 mediates glutamate-independent Ca²⁺ entry into neurons upon acidosis. This Ca²⁺ overloading is toxic for cortical neurons and may be in part responsible for ischemic brain injury. Heteromeric channel assembly seems to modulate channel properties. ACCN2 functions as a postsynaptic proton receptor that influences intracellular Ca²⁺ concentration and calmodulin-dependent protein kinase II phosphorylation and thereby the density of dendritic spines. It modulates activity in the circuits underlying innate fear. This gene encodes a member of the degenerin/epithelial sodium channel (DEG/ENaC) superfamily. The members of this family are amiloride-sensitive sodium channels that contain intracellular N and C termini, 2 hydrophobic transmembrane regions, and a large extracellular loop, which has many cysteine residues with conserved spacing. The member encoded by this gene is expressed in most if not all brain neurons, and it may be an ion channel subunit; however, its function as an ion channel remains unknown. Alternative splicing of this gene generates 2 transcript products.

Product Categories/Family for anti-ASIC1 antibody

Polyclonal; Ion Channel; Signal Transduction; Membrane & Traffic

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536351
NCBI GeneID	41
NCBI Accession #	NP_064423
NCBI GenBank Nucleotide #	NM_020039
UniProt Accession #	P78348
Molecular Weight	65kDa

NCBI Official Full Name	acid-sensing ion channel 1 isoform a
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; ASIC1; BNaC2
UniProt Entry Name	ASIC1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/accn2-antibody-western-blot-elisa/23442>