

bs-12128R**[Primary Antibody]****ACCN2 Rabbit pAb****Bioss**
ANTIBODIES

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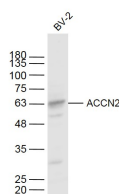
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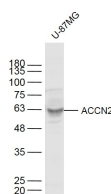
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)
GeneID: 41	SWISS: P78348	Predicted MW.: 60 kDa
Target: ACCN2		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human ACCN2: 332-460/528. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Acid sensing ion channel ASIC1 is present in brain as a 4.3-kb transcript with localization to rat dorsal root ganglia. In situ hybridization of rat brain suggests that ASIC1 is most abundant in the main olfactory bulb, cerebral cortex, hippocampal formation, habenula, basolateral amygdaloid nuclei and cerebellum. ASIC1 and H ⁺ -gated currents may contribute to the development of fear and anxiety. ASIC2, also designated amiloride-sensitive cation channel 1, neuronal (ACCN1), mammalian degenerin, BNAC1 (MDEG) and brain Na ⁺ channel 1, mediates the normal detection of light touch. ASIC2 mRNA is abundant in brain, specifically in neurons. ASIC2 is expressed as 2.7- and 3.7-kb transcripts in brain and spinal cord tissues. ASIC3, also designated SLNAC1 and TNaC1, mediates detection of lasting pH changes and is involved in modulating moderate- to high-intensity pain sensation. ASIC4, also designated ACCN4 and BNAC4, is abundant in pituitary gland and is also present in the inner ear.		

— VALIDATION IMAGES —

Sample: BV-2(Mouse) Cell Lysate at 40 ug
Primary: Anti-ACCN2 (bs-12128R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 60 kD Observed band size: 60 kD



Sample: U-87(Human) Cell Lysate at 40 ug
Primary: Anti-ACCN2 (bs-12128R) at 1/300
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 60 kD Observed band size: 60 kD

— SELECTED CITATIONS —

- **[IF=5.988]** Liu Hui. et al. CaM/CaMKII mediates activation and proliferation of hepatic stellate cells regulated by ASIC1a. FRONT PHARMACOL. 2022 Dec;13:5319 WB ;Rat. 36588718