

**bs-12132R****[ Primary Antibody ]****ASIC3 Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

|  |                      |  |
|--|----------------------|--|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)<br><b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500)<br><b>ICC/IF</b> (1:100-500)<br><b>ELISA</b> (1:5000-10000)<br><br><b>Reactivity:</b> (predicted: Human, Mouse, Rat, Pig, Horse)<br><br><b>Predicted MW.:</b> 59 kDa<br><br><b>Subcellular Location:</b> Extracellular matrix ,Cell membrane ,Cytoplasm |
| <b>Clonality:</b> Polyclonal   |                      |  |
| <b>GeneID:</b> 9311  | <b>SWISS:</b> Q9UHC3 |  |
| <b>Target:</b> ASIC3   |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ASIC3: 342-420/531. < Extracellular >  |                      |  |
| <b>Purification:</b> affinity purified by Protein A  |                      |  |
| <b>Concentration:</b> 1mg/ml   |                      |  |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |                      |  |
| <b>Background:</b> 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. |                      |  |

**— SELECTED CITATIONS —**

- **[IF=4.81]** Yuan Liping. et al. APETx2 regulates intestinal motility and visceral sensitivity in post-infectious irritable bowel syndrome mice through 5-HT signalling pathway. J PHARM PHARMACOL. 2023 Mar.; WB ;Mouse. 36879420
- **[IF=5]** Liba Gei. et al. Amiloride alleviates morphine tolerance by suppressing ASIC3-dependent neuroinflammation in the spinal cord. EUR J PHARMACOL. 2023 Oct.;176173 IF ;Mouse. 37918499