

For Research Use Only

# ASIC1 Recombinant antibody

Catalog Number:85089-1-RR



## Basic Information

<b>Catalog Number:</b> 85089-1-RR	<b>GenBank Accession Number:</b> NM_001095	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 41	<b>CloneNo.:</b> 242749B11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P78348	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> amiloride-sensitive cation channel 2, neuronal	
<b>Immunogen Catalog Number:</b> AG25941	<b>Calculated MW:</b> 60 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat

### Positive Controls:

**WB :** BxPC-3 cells, mouse brain tissue, LNCaP cells, SH-SY5Y cells, rat brain tissue, mouse cerebellum tissue

## Background Information

ASIC1(Acid-sensing ion channel 1), also named as ACCN2, BNaC2 or amiloride-sensitive cation channel 2, is a member of the ASICs family. ASICs, an H<sup>+</sup>-gated subgroup of the epithelial Na<sup>+</sup> channel/ degenerin (ENaC/DEG) superfamily, are widely expressed throughout the central and peripheral nervous system and triggered by increased extracellular acidification (PMID: 28518134, 27941930). ASIC1 is a key player in acidosis-induced tumor growth and invasiveness. Clinically, alterations of ASIC1 are associated with poor survival in breast cancer (PMID: 26686084).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

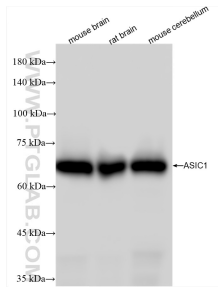
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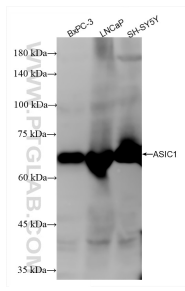
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85089-1-RR (ASIC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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