

## ASIC3 polyclonal antibody

Catalog: BS32154

Host: Rabbit

Reactivity: Human

### BackGround:

Acid-sensing ion channel 3: Forms pH-gated heterotrimeric sodium channels that act as postsynaptic excitatory receptors in the nervous system. Upon extracellular acidification, these channels generate a biphasic current with a fast inactivating and a slow sustained phase. ASIC3 is more sensitive to protons and gates between closed, open, and desensitized states faster than other ASICs (By similarity). Displays high selectivity for sodium ions but can also permit the permeation of other cations. As a neuronal acid sensor, probably contributes to mechanoreception, acid nociception, and heat nociception (By similarity). By forming heterotrimeric channels with ASIC2, generates a biphasic current with a fast inactivating and a slow sustained phase, which in sensory neurons is proposed to mediate the pain induced by acidosis that occurs in ischemic, damaged or inflamed tissues (By similarity)

### Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~58.9 kDa

### Swiss-Prot:

Q9UHC3

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

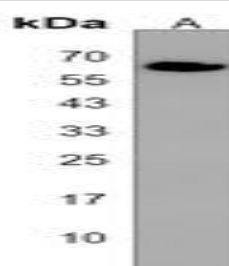
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of ASIC3 protein.

### DATA:



Western blot analysis of TRIM27 expression in HepG2 (A), SHSY5Y (B) whole cell lysates.

Immunohistochemical analysis of TRIM27 staining in rat ovary formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Note:

For research use only, not for use in diagnostic procedure.

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