

## TAC1 polyclonal antibody

Catalog: BS60380

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The tachykinin family consists of amidated neuropeptides that share a carboxyterminal sequence (Phe-X-Gly-Leu-Met-NH<sub>2</sub>). Preprotachykinin I, also designated protachykinin 1 precursor (PPT), is a common precursor of tachykinins. Preprotachykinin I alternatively splices to form various isoforms. These isoforms include: Substance P; Neurokinin A (NKA, Substance K, Neuropeptide L); Neurokinin B; Neuropeptide K (NPK); Neuropeptide  $\gamma$ ; and C-terminal flanking peptide. Substance P is expressed primarily in the small diameter primary sensory fibers of the peripheral nervous system, and in the superficial dorsal horn of the spinal cord, the substantia nigra, and the medial amygdaloid nucleus of the central nervous system. Tachykinin peptides have many pleiotropic functions including: neurotransmission, immune/hematopoietic modulation, angiogenesis and mitogenesis. Preprotachykinin I has been implicated in breast cancer and bone marrow metastasis. Substance P plays a role in depression.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 17 kDa

### Swiss-Prot:

P20366

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

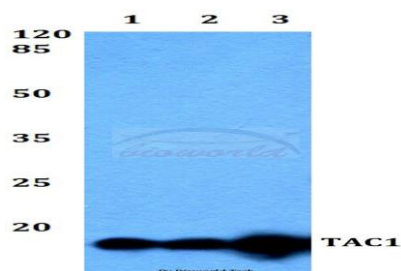
### Storage&Stability:

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

### Specificity:

TAC1 polyclonal antibody detects endogenous levels of TAC1 protein.

### DATA:



Western blot (WB) analysis of TAC1 polyclonal antibody at 1:500 dilution

Lane 1: HEK293T whole cell lysate

Lane 2: sp2/0 whole cell lysate

Lane 3: H9C2 whole cell lysate

### Note:

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

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