Bioworld Technology CO., Ltd.

# NK-3R (P434) Peptide

**Cat No.:** BS2736P

## Background

Substance P (SP) and neurokinin-A (NK-A) are members of the tachykinins, and they function as modulators of the immune and hematopoietic systems. The tachykinins interact with each of three cloned neurokinin (NK) receptors (NK-1R, NK-2R, NK-3R), with SP and NK-A exhibiting binding preferences for NK-1R and NK-2R, respectively. NK-4R shares close homology with NK-3R, and both have nearly identical pharmacologicl properties. In the normal ileum and colon, NK-1R and NK-2R are localized to smooth muscle cells of the muscularis mucosae and propria and to a few inflammatory cells of the lamina propria. NK-1R expression is also found in the muscular wall of submucosal blood vessels, enteric neurons and, to a lesser degree, in surface epithelial cells. NK-3R is found in the spinal cord in both lamina X and lamina II.

## Swiss-Prot

P29371

## Applications

Blocking

## Specificity

This peptide can be used with studies using BS2736 NK-3R (P434) pAb.

## Purification & Purity

Synthetic peptide NK-3R (P434). (Note: the amino acid sequence is proprietary). The purity is > 98%.

## Product

1 mg/ml in DI water.

## Storage & Stability

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

## Research Use

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

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