

**TACR1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13899c****Specification**

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**TACR1 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P25103](#)**TACR1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 6869**Other Names**

Substance-P receptor, SPR, NK-1 receptor, NK-1R, Tachykinin receptor 1, TACR1, NK1R, TAC1R

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13899c was selected from the Center region of TACR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TACR1 Antibody (Center) Blocking peptide - Protein Information****Name** TACR1**Synonyms** NK1R, TAC1R**Function**

This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**TACR1 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **TACR1 Antibody (Center) Blocking peptide - Images**

#### **TACR1 Antibody (Center) Blocking peptide - Background**

This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq].

#### **TACR1 Antibody (Center) Blocking peptide - References**

Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Davila, S., et al. Genes Immun. 11(3):232-238(2010) Herlyn, P., et al. Clin J Pain 26(3):175-181(2010)