

**TACR1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13899c****Specification**

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**TACR1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P25103</a>
Other Accession	<a href="#">P14600</a> , <a href="#">P30548</a> , <a href="#">NP_001049.1</a> , <a href="#">NP_056542.1</a>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46251
Antigen Region	219-248

**TACR1 Antibody (Center) - Additional Information****Gene ID** 6869**Other Names**

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

**Target/Specificity**

This TACR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 219-248 amino acids from the Central region of human TACR1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TACR1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**TACR1 Antibody (Center) - 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.

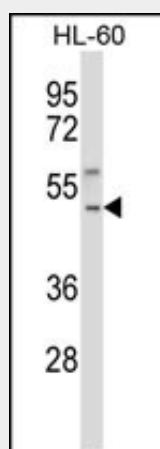
**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**TACR1 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TACR1 Antibody (Center) - Images**

TACR1 Antibody (Center) (Cat. #AP13899c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the TACR1 antibody detected the TACR1 protein (arrow).

**TACR1 Antibody (Center) - 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) - 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)