10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-TACR1 / NK1R Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17542

Product Information

Application	IHC-P
Primary Accession	P25103
Predicted	Human, Rat, Rabbit, Hamster, Monkey, Horse, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46251
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	6869
Alias Symbol	TACR1
Other Names	TACR1, Neurokinin receptor 1, NK-1R, Nk1 tachykinin receptor, NK1R, TAC1R, Tachykinin 1 receptor, NKIR, Substance-P receptor, Neurokinin 1 receptor, NK-1 receptor, Tachykinin receptor 1
Target/Specificity	Human Neurokinin 1 Receptor. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except DTNB (44%).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-TACR1 / NK1R Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TACR1
Synonyms	NK1R, TAC1R
Function	Receptor for the tachykinin substance P, also able to bind and respond to tachynins neurokinin A/substance K and neurokinin B/neuromedin-K (PubMed:1718267, PubMed:15452552). The rank order of affinity of this receptor to tachykinins is: substance P > neurokinin A/substance K > neurokinin B/neuromedin-K (PubMed:1718267). Substance P binding to its receptor triggers G protein-coupled receptor signaling via activation of phosphatidylinositol hydrolysis by phospholipase C. Substance P binding also triggers signaling via activation of adenylate cyclase activity which results in increased intracellular levels of cyclic AMP (cAMP) (By similarity).

Cellular Location	Cell membrane; Multi-pass membrane protein. Early endosome {ECO:0000250|UniProtKB:P14600}. Note=After signaling cascade initiation, substance P binding results in receptor internalization and localization to early endosomes, followed by receptor recycling to the cell surface. {ECO:0000250|UniProtKB:P14600}

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.