Immunotag™ NK-1R Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3131
Product Description	Immunotag™ NK-1R Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NK-1R
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from NK-1R, at AA range: 180-260
Specificity	NK-1R Polyclonal Antibody detects endogenous levels of NK-1R protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	TACR1
Accession No.	P25103 P30548 P14600
Alternate Names	TACR1; NK1R; TAC1R; Substance-P receptor; SPR; NK-1 receptor; NK-1R; Tachykinin receptor 1

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Description	tachykinin receptor 1(TACR1) Homo sapiens 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, Sep 2008],
Cell Pathway/ Category	Calcium,Neuroactive ligand-receptor interaction,
Protein Expression	Brain,G-protein coupled receptors,Lung,Placenta,
Subcellular Localization	plasma membrane,integral component of plasma membrane,integral component of membrane,
Protein Function	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.,online information:Tachykinin entry,similarity:Belongs to the G-protein coupled receptor 1 family.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.