

Product datasheet for **AP01219PU-N**

Neurokinin 1 Receptor (TACR1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 215-260 of Human NK-1R.
Specificity:	This antibody detects endogenous levels of NK-1R protein. (region surrounding Lys245)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~46 kDa
Gene Name:	tachykinin receptor 1
Database Link:	Entrez Gene 6869 Human P25103



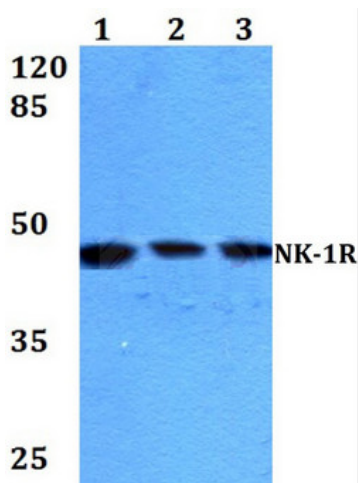
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Background:

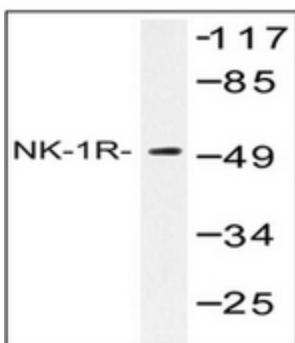
The Neurokinin-1 (NK1) Receptor is a G-protein-coupled receptor characterized by seven transmembrane helices which preferentially binds the neuropeptide substance P. NK1 receptor (also known as the Substance P Receptor) plays a key role in pain and inflammation. Studies also implicate NK1 receptor in depression and the growth of brain tumors. The NK1 receptor has been reported primarily in brain, and in blood lymphocytes, nose, small intestine, and stomach.

Synonyms:

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

Product images:


Western blot analysis of NK-1R antibody at 1/500 dilution Lane 1: HEK293T whole cell lysate. Lane 2: Raw264.7 whole cell lysate. Lane 3 : H9C2 whole cell lysate.



Western blot analysis of NK-1R antibody in extracts from Jurkat cells.