

## Product datasheet for **TA303231**

### Neurokinin 1 Receptor (TACR1) Goat Polyclonal Antibody

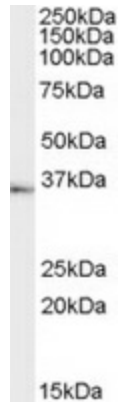
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	<b>Western blot:</b> 0.3-1µg/ml. 1 h at RT. Approx 48kDa band observed in lysates of cell lines HeLa and Neuro2a (calculated MW of 46.3kDa according to Human NP_001049.1 and Mouse NP_033339.2 ). <b>Immunofluorescence:</b> 10µg/ml. Expression of the protein seen in the plasma membrane and nucleus of Neuro2a cells.
Reactivity:	Human (Expected from sequence similarity: Mouse, Rat, Dog)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-EIPGDSSDRYHEQ, from the internal region of the protein sequence according to NP_001049.1*; NP_056542.1*.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tachykinin receptor 1
Database Link:	<a href="#">NP_001049</a> <a href="#">Entrez Gene 21336 Mouse</a> <a href="#">Entrez Gene 24807 Rat</a> <a href="#">Entrez Gene 403815 Dog</a> <a href="#">Entrez Gene 6869 Human</a> <a href="#">P25103</a>



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<b>Background:</b>	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]
<b>Synonyms:</b>	NK1R; NKIR; SPR; TAC1R
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction

**Product images:**

TA303231 (1ug/ml) staining of Human Testes lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.