

## Product datasheet for **TA363949**

### TAC1 Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | ELISA  |
| Recommended Dilution: | This antibody has been tested and validated in ELISA against Substance P. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.   |
| Reactivity:           | Human, Mammalian   |
| Host:                 | Rabbit   |
| Clonality:            | Polyclonal   |
| Immunogen:            | Synthetic peptide H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH <sub>2</sub> coupled to a carrier protein.  |
| Formulation:          | Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2 mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.  |
| Concentration:        | 0.2 mg/ml (after reconstitution)   |
| Conjugation:          | Unconjugated   |
| Storage:              | Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.  |
| Gene Name:            | tachykinin precursor 1   |
| Database Link:        | <a href="#">Entrez Gene 6863 Human P20366</a>  |
| Background:           | Substance P is an undecapeptide resulting from the cleavage of Protachykinin-1 (UniProt P20366) into several biologically active peptides. It is mainly secreted by neurons and is involved in biological processes like nociception and inflammation. Substance P mediates interactions between neurons and immune cells, with nerve- derived substance P modulating immune cell proliferation and cytokine production. This antibody was generated by immunization of rabbits with Substance P coupled to a carrier protein. |
| Synonyms:             | NK2; NKA; NKNA; NPK; OTTHUMP00000204986; PPT; TAC2   |



[View online »](#)