

Product datasheet for **EUD4501**

TAC1 Guinea Pig Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC
Recommended Dilution:	Immunofluorescence: 1/400-1/800 with overnight incubation at 2-8°C. Immunohistochemistry on Frozen Sections. Positive Control: Frozen sections of rat colon.
Reactivity:	Fish, Human, Rabbit, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Substance P conjugated to BSA
Specificity:	This antibody reacts to Substance P. Absorption with 10-100 µg SP and NKA per ml diluted antiserum abolishes the staining while GRP and NKB do not.
Formulation:	State: Serum State: Lyophilized serum
Reconstitution Method:	Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA and 0.09% NaN ₃ .
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody (undiluted) at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tachykinin precursor 1
Database Link:	Entrez Gene 24806 Rat Entrez Gene 6863 Human P20366



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Background:	Substance P occurs in nerve fibers of the central and peripheral nervous system and in endocrine cells of the gut. It stimulates smooth muscle contraction, gives rise to vasodilation and is involved in sensory functions. Substance P-containing tumors arising in the ileum are often associated with the carcinoid syndrome, characterized by flushing of the skin, diarrhea, bronchoconstriction and sudden drops in blood pressure. Substance P is commonly found in the midgut carcinoids and some of the symptoms may be related to this peptide.
Synonyms:	Substance-P
Protein Families:	Druggable Genome, Secreted Protein