ARG41577
anti-Substance P antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Substance P
Tested Reactivity	Hu, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Substance P
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-129 of Human Substance P (NP_003173.1).
Conjugation	Un-conjugated
Alternate Names	NKA; NKNA; NPK; TAC2; Neuromedin L; NK2; PPT; Protachykinin-1; Substance K; Hs.2563

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: SW620

Observed Size: ~ 19 kDa

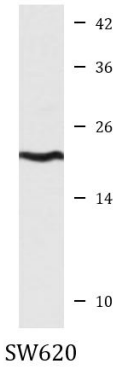
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TAC1
Gene Full Name	tachykinin, precursor 1
Background	This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Substance P is an antimicrobial peptide with antibacterial and antifungal properties. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]
Function	Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles. [UniProt]
Calculated Mw	15 kDa
PTM	The substance P form is cleaved at Pro-59 by the prolyl endopeptidase FAP (seprase) activity (in vitro). [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG41577 anti-Substance P antibody WB image

Western blot: 25 µg of SW620 cell lysate stained with ARG41577 anti-Substance P antibody at 1:1000 dilution.