



BMA BIOMEDICALS



Peninsula Laboratories

Guinea pig anti Substance P

Substance P is an undecapeptide resulting from the cleavage of Protachykinin-1 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 guinea pigs with Substance P coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-5018 (Lot 970179-3)
Clonality:	Polyclonal
Host species:	Guinea pig
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100.
	Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂ coupled to carrier protein.
Protein database:	human-P20366 , mouse-P41539 , rat-P06767 , bovine-P01289

Cross-Reactivity:

PEPTIDE	%
Substance P	100
Substance P (2-11)	100
Substance P (3-11)	100
Substance P (4-11)	100
Substance P (5-11)	100

Cross-Reactivity:

PEPTIDE	%
Substance P (6-11)	53
Substance P (7-11)	11
Neurokinin A	0
Neurokinin B	0

Applications:

Tested in ELISA against Substance P. Other applications like immunohistochemistry (IHC), FACS, and Western blot may work as well.

Optimal dilutions should be determined by the end user

Please see www.bma.ch for protocols and general information

Related Products:

S-1165: ELISA extraction-free for rat samples
S-1153: ELISA extraction-free for human samples
S-1180: ELISA high sensitivity for extracted samples
T-4105: Rabbit anti Substance P, diluted antiserum
T-4106: Rabbit anti Substance P, purified
T-4107: Rabbit anti Substance P, neat antiserum
T-5019: Guinea pig anti Substance P, neat antiserum

This product contains sodium azide as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.