



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti Cortistatin-17

The 105 amino acid residues human precortistatin in turn is cleaved into cortistatin-17 and cortistatin-29. Cortistatin-17 is the only active peptide derived from the precursor. It is a neuropeptide that is expressed in inhibitory neurons of the cerebral cortex, and which has a strong structural similarity to somatostatin. Unlike somatostatin, when infused into the brain, it enhances slow-wave sleep. It binds to sites in the cortex, hippocampus and the amygdala.

This antibody was generated by immunization of rabbits with Cortistatin-17 coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4772 (Lot 031028-1)
Clonality:	Polyclonal
Host species:	Rabbit
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-Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys-OH coupled to carrier protein.
Protein database:	<u>human-O00230</u>

Cross-Reactivity:

PEPTIDE	%
Cortistatin -17 (human)	100
Cortistatin-14	0
Somatostatin-14	0
Somatostatin-25	0
Somatostatin-28	0
Neurotensin	0

Cross-Reactivity:

PEPTIDE	%
Neuromedin N (porcine)	0
(D-Trp8) - Somatostatin-14	0

Applications:

Tested in ELISA against Cortistatin-17. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

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

Related Products:

T-4768: Rabbit anti Cortistatin-17, neat antiserum, (hu)

T-4773: Rabbit anti Cortistatin-17, purified IgG, (hu)

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