



BMA BIOMEDICALS



Peninsula Laboratories

T-4773

Rabbit anti Cortistatin-17 (human) [UniProt: O00230]

The 105 amino acid residue 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

Lot number:	017423
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	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.
Applications:	This antibody has been tested and validated 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 www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys-OH coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Cortistatin-17 (human)	100
Cortistatin-14 (mouse, rat)	0
Somatostatin-14	0
Somatostatin-25	0
Somatostatin-28	0
Neurotensin	0
Neuromedin N	0
(D-Trp ⁸)–Somatostatin–14	0

Related Products: T-4772: Rabbit anti Cortistatin-17 (hu), diluted antiserum
T-4768: Rabbit anti Cortistatin-17 (hu), neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-4773 rabbit IgG 1.3.2021