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-4773 (Lot 017423)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml 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:	human-O00230

Cross-Reactivity:

PEPTIDE:	%:
Cortistatin-17 (human)	100
Cortistatin-14 (mouse, rat)	0
Somatostatin-14	0
Somatostatin-25	0

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Cross-Reactivity:

PEPTIDE:	%:
Somatostatin-28	0
Neurotensin	0
Neuromedin N	0
(D-Trp^{8})–Somatostatin–14	0

Applications:

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

Approximate working dilution for IHC:
Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

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

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. Not for diagnostic or therapeutic applications.

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