BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Pancreastatin (33-48) Chromogranin A (286-301)

Pancreastatin is a 49 amino acid peptide found in many cells of the neuroendocrine system. It is produced from the proteolytic cleavage of its precursor, Chromogranin A [Chromogranin A (240-288)]. It is localized to insulin-containing beta cells, glucagon-containing alpha cells, and somatostatin-containing D cells of the pancreatic islet. Pancreastatin inhibits release of somatostatin upon glucose stimulation, and it may also control carbohydrate metabolism and hyperglycemia.

This antibody was generated by immunization of rabbits with Pancreastatin (33-48) / Chromogranin-A (286-301) coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4264 (Lot A03349)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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-Glu-Glu-Glu-Glu-Glu-Met-Ala-Val-Val-Pro-Gln-Gly-Leu-Phe-Arg-Gly-NH2 coupled to carrier protein.
Protein database:	human-P10645

Cross-Reactivity:

PEPTIDE:	%:
Pancreastatin (33-48)/Chromogranin-A (286-301) (human)	100
Pancreastatin (1-49) (porcine)	100
Amylin (free acid) (human)	0
Glucagon (1-29) (human, bovine, porcine)	0
Insulin (human)	0
Pancreatic Polypeptide (human)	0

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Cross-Reactivity:

PEPTIDE:	%:
Chromogranin A (250-301) amide (human)	0
Chromogranin A (264-314) amide (rat)	0

Cross-Reactivity data is taken from Radioimmunoassay applications.

Applications:

Tested in immunohistochemistry (IHC) and ELISA against Pancreastatin (33-48). Other applications like 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.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4263: anti Pancreastatin (33-48), diluted antiserum (po)
T-4480: anti Pancreastatin, purified IgG
T-4481: anti Pancreastatin, neat antiserum (po)
S-1221: ELISA, high sensitivity for extracted samples
S-1421: ELISA, high sensitivity for extracted samples (33-48)

This product contains no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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