BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti Oxyntomodulin (Glucagon-37)

Oxyntomodulin (OXM) is a 37-amino acid peptide hormone found in the colon, produced by the oxyntic cells of the oxyntic mucosa. It is known to suppress appetite and causes weight loss in humans and rodents. Oxyntomodulin activates both the glucagon-like peptide-1 receptor (GLP1R) and the glucagon receptor (GCGR). It contains the same sequence as Glucagon (1-29), but with an additional KRNKNNIA C-terminal sequence.

This antibody was generated by immunization of rabbits with Oxyntomodulin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4800 (Lot A15783)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
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-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-Lys-Arg-Asn-Arg-Asn-Asn-Ile-Ala-OH coupled to carrier protein.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE:	%:
Glucagon (1-37) (human, mouse, rat)	100
Glucagon (1-37) (porcine)	100
Glucagon (1-29) (human, bovine, porcine)	31
GLP-1 (1-37) (human, bovine, guinea pig, mouse, rat)	12.9

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Cross-Reactivity:

PEPTIDE:	%:
GLP-1 (1-36) amide (human, bovine, guinea pig, mouse, rat)	0
GLP-1 (7-36) amide	0
GLP-1 (7-37)	0
GLP-2 (human)	0

Applications:

Tested in ELISA against Oxyntomodulin 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-4799: Rabbit anti Oxyntomodulin (hu, ms, rt), diluted antiserum
T-4801: Rabbit anti Oxyntomodulin (hu, ms, rt), neat antiserum
S-1392: ELISA, high sensitivity for extracted samples

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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