



BMA BIOMEDICALS



Peninsula Laboratories

T-4192

Rabbit anti Bombesin

Bombesin is a 14-amino acid peptide originally isolated from the skin of the European fire-bellied toad (*Bombina bombina*). It has two known homologs in mammals called neuromedin B and gastrin-releasing peptide. Bombesin stimulates gastrin release from G cells and activates three different G-protein-coupled receptors known as BBR1, -2, and -3. It also activates these receptors in the brain. Together with cholecystokinin, Bombesin is the second major source of negative feedback signals that stop eating behaviour. Also, it is known to be a tumor marker for small cell carcinoma of lung, gastric cancer, pancreatic cancer, and neuroblastoma.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
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 Bombesin. 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 Pyr-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-Val-Gly-His-Leu-Met-NH ₂ coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
Bombesin	100
[Lys ³]-Bombesin	100
[Tyr ⁴]-Bombesin	100
GRP (porcine)	50
Substance P	<0.01
VIP (human, bovine, porcine, rat)	<0.01

Related Products: T-4191: Rabbit anti Bombesin, diluted antiserum
 T-4193: Rabbit anti Bombesin, neat antiserum
 S-1401: ELISA, high sensitivity for extracted samples

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-4192

rabbit IgG

1.3.2021