BMA BIOMEDICALS

Peninsula Laboratories

# 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 behavior. Also, it is known to be a tumor marker for small cell carcinoma of lungs, 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

| | |
|---|---|
| **Catalog Number:** | T-4193 (Lot A08953) |
| **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 Pyr-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-Val-Gly-His-Leu-Met-NH2 coupled to carrier protein. |
| **Protein database:** | n/a |

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**Applications:**

Tested in immunohistochemistry (IHC) and ELISA against Bombesin. 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-4191: Rabbit anti Bombesin, diluted antiserum
T-4192: Rabbit anti Bombesin, purified IgG
S-1401: ELISA, high sensitivity for extracted samples

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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