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Product datasheet for TA364007

Bombesin Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	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.
Reactivity:	Human, Mammalian
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide Pyr-Gln-Arg-Leu-Gly-Asn-Gln-Trp-Ala-Val-Gly-His- Leu-Met-NH2 coupled to a carrier protein.
Formulation:	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.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	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.
Background:	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.

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