



Polyclonal Antibody to **BOMBESIN**

Technical Data Sheet

Reagent Category

Polyclonal primary antibody to Bombesin

Antibody Formats Supplied

- 7 ml of anti Bombesin, Ready-To-Use**
- 0.2 ml of anti Bombesin, Concentrate**

PRODUCT# IMI11861E (Ready-To-Use)

PRODUCT# IMI11852E (Concentrate)

SOURCE: Rabbit

IMMUNOGEN: Synthetic Bombesin bound to BSA

REACTIVITY

Bombesin is a Gastrin releasing peptide that functions as a regulatory peptide in mammalian species. In frogs, this regulatory peptide is specifically known as bombesin. Bombesin is expressed in many neuroendocrine cells and neural cells. bombesin is used in study and characterization of certain neoplasms of neuroendocrine cells. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections and it is compatible with formalin fixed tissues.

POSITIVE CONTROL TISSUE: Pancreas/ small intestine

Antibody FORMAT, DILUTION and INCUBATION

- 7 ml of pre-diluted, Ready-to-Use; Do not dilute. Incubate for 10-30 minutes.**

Incubate for 30 minutes when rinsing with Innovex "Enhancing Wash buffer" in place of PBS or Tris buffer, otherwise enzyme digest and incubate for 30 minutes.

- 0.2 ml of Concentrate, starting dilution for 30 minutes incubation: 1:30-1:50.** For longer incubation time the titer should be determined by the end user. All concentrated antibodies must be titrated by the user for the secondary reagents and tissues employed.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT staining systems. For less sensitive staining systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

SPECIAL USAGE GUIDANCE

No pre-treatment is necessary, when using Innovex Staining systems (detection system) including the use of Innovex Signal Enhancing Wash Buffers in place of PBS or Tris buffer for the rinsing steps (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase).

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The use of Innovex Enhancing Wash Buffers greatly enhances staining signals even on antigenically weak tissues or for overfixed tissues. Its use further eliminates the need for repetitive procedures. Enzyme digestion is recommended when staining with other detection systems.

APPLICATIONS

This antibody is intended for use in immunolocalization of bombesin peptides in human, mammalian and frog tissues/ cells by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of bombesin antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

SPECIES REACTIVITY

This antibody reactivity with human, mammalian and frog has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

FOR IN VITRO RESEARCH USE ONLY