



## Polyclonal Antibody to **PROLACTIN**

### *Technical Data Sheet*

#### Reagent Category

Polyclonal primary antibody to  
Prolactin

#### Antibody Formats Supplied

- 7 ml of rabbit anti prolactin, Ready-To-Use
- 0.2 ml of rabbit anti prolactin, Concentrate

PRODUCT# IMI29061E (Ready-To-Use)

PRODUCT# IMI29052E (Concentrate)

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**SOURCE:** Rabbit

**IMMUNOGEN:** Purified human prolactin hormone extracted from cells of pituitary gland

#### **REACTIVITY**

This antibody reacts with prolactin, a pituitary hormone of 23.5 kD a molecular weight which is secreted by the cells of anterior pituitary gland specific for production of prolactin hormone. Prolactin is one of the six hormones (hGH, FSH, TSH, LH, prolactin, ACTH) that are produced by the six different specific cell types of the pituitary gland. Prolactin hormone is produced by approximately 20% of the cells of pituitary gland cells. This antibody is non-cross reactive with other five pituitary hormones. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

**POSITIVE CONTROL TISSUE:** Anterior pituitary gland

**STAINING PATTERN:** Cytoplasmic

#### **Antibody FORMAT, DILUTIONS and INCUBATIONS**

Affinity purified polyclonal anti prolactin antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

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

0.2 ml Concentrate; For 30 minute incubation, dilute 1:50-1:70, the provided dilution range are mere guidelines, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents 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 staining system and staining procedure employed.*

#### **SPECIAL USAGE GUIDANCE**

No-pre treatment is necessary, for best staining result the use of Innovex STAT-Q staining system and Innovex Signal-Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between

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the incubation steps is highly recommended. The use of Innovex STAT-Q staining system in conjunction with Innovex Signal Enhancing Wash buffer amplifies staining signal, eliminates the need for enzyme digestion pre treatment, high heat application (retrieval procedure) and shortens the incubation time for the primary antibodies without addition of any extra steps to immunostaining procedures.

## **APPLICATIONS**

This antibody is intended for use in immunolocalization of prolactin hormone by a variety of immunoassays such as Immunochemistry, 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 and /or quantitative localization of prolactin hormone. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody reactivity with human tissue 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***