

AP08841PU-N

Polyclonal Antibody to PIP / GCDFP15 (24-34) - Aff - Purified

Alternate names:

GCDFP-15, GPIP4, Gross cystic disease fluid protein 15, Prolactin-induced protein, Prolactin-inducible protein, SABP, Secretory actin-binding protein, gp17

Quantity:

50 µg

Concentration:

0.5 mg/ml

Background:

Gross cystic disease is a common premenopausal disorder in which gross cysts are the predominant pathologic lesion. It is characterized by production of a fluid secretion which accumulates in the breast cysts. Gross cystic disease fluid is a pathologic secretion from breast composed of several glycoproteins, including a unique 15 kDa monomer protein, GCDFP 15. The cells within the body that produce GCDFP 15 appear to be restricted primarily to those with apocrine function. Studies have found GCDFP 15 to be a highly specific and sensitive marker for breast cancer.

Uniprot ID:

[P12273](#)

NCBI:

[NP_002643.1](#)

GeneID:

[5304](#)

Host / Isotype:

Goat / IgG

Immunogen:

Synthetic peptide from an internal region of Human PIP

AA Sequence:

C - GANKAQDNTRK

Format:

State: Liquid purified Ig fraction

Purification: Immunoaffinity Chromatography

Buffer System: Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide

Applications:

ELISA: 1/128000.

Immunohistochemistry on Paraffin Sections: 2.5 µg/ml.

Western Blot: 0.3 - 1 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody recognizes Prolactin-inducible Protein (PIP) at aa 24-34.

Species Reactivity:

Tested: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

AP08841PU-N PIP antibody staining of Formalin-Fixed Paraffin-Embedded Human Breast at 2.5 µg/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

