

Product datasheet for **AP01146PU-N**

Galectin 3 (LGALS3) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, WB

Recommended Dilution: **ELISA**

Indirect: To detect hGalectin-3 (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human Galectin-3.

Sandwich: To detect Human Galectin-3 (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Polyclonal Anti-Human Galectin-3 (AP01146BT-N or AP01146BT-S) as a Detection antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Galectin-3.

Western blot

To detect Human Galectin-3, this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human Galectin-3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Immunohistochemistry. 31.25 ng/ml with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB Chromogen. Heat induced antigen retrieval with pH 6.0 Sodium Citrate buffer.

This antibody stained Formalin-Fixed paraffin-Embedded Sections of Human Pancreas infiltrating ductal Adenocarcinoma tissue.

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Immunogen: Highly pure (> 98%) recombinant Human Galectin-3

Specificity: This antibody detects Galectin-3.

Formulation: PBS, pH 7.2 without preservatives.

State: Aff - Purified

State: Lyophilized (sterile filtered) purified Ig fraction.

Reconstitution Method: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.

Purification: Immunoaffinity Chromatography.

Conjugation: Unconjugated



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Storage:	Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	lectin, galactoside binding soluble 3
Database Link:	Entrez Gene 3958 Human P17931
Background:	<p>Galectins are a new family of animal lectins which appear to exhibit a variety of biological functions. Lectins, of either plant or animal origin, are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties.</p> <p>Galectin 3 is one of the more extensively studied members of this family and is a 30 kDa protein. Due to a C-terminal carbohydrate binding site, Galectin 3 is capable of binding IgE and mammalian cell surfaces only when homodimerized or homooligomerized. Galectin 3 is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins.</p>
Synonyms:	Mac-2, Lgals3, GAL3, GALBP, CBP35, L-31
Note:	Centrifuge vial prior to opening!