

Product datasheet for AP01146BT-N

Galectin 3 (LGALS3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA
	<u>Direct</u> : To detect hGalectin-3 (using 100 µl/well antibody solution) a concentration of ~1.0 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.
	<u>Sandwich</u> : To detect Human Galectin-3 (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human Galectin-3 (AP01146PU-N or AP01146PU-S) as a capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human Galectin-3.
	Western blot
	To detect hGalectin-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.
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. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
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:	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. Galectin-3 regulates a number of biological processes, including embryogenesis, inflammatory responses, cell progression and metastasis. Galectin-3 is normally expressed in epithelia of a variety of tissues, including colon and endometrium, and in various inflammatory cells, including macrophages. Galectin-3 can function intracellularly, in controlling cell cycle and preventing T-cell apoptosis, and also extracellularly, in activating various cells, including monocytes/macrophages, mast cells, neutrophils, and lymphocytes. Expression of Galectin-3 is affected by neoplastic transformation, being up-regulated in certain types of lymphomas, and in thyroid and hepatic carcinomas. Conversely, it is down-regulated in other cancers, such as colon, breast, ovarian, and uterine.
Synonyms:	Mac-2, Lgals3, GAL3, GALBP, CBP35, L-31
Note:	Centrifuge vial prior to opening!