

## Galectin 3 polyclonal antibody

Catalog: BS90556

Host: Rabbit

Reactivity: Human, Rat

### Background:

Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. The galectin-3 protein, also known as Mac-2, hMac-2, GALBP, CBP35 or LGALS3, contains a single carbohydrate binding domain, which binds galactose-containing glycoconjugates. Galectin-3 is expressed in colonic and intestinal epithelium, inflammatory macrophages, papillary and follicular carcinomas, neoplastic astrocytes and some B and T lymphocytes. Upregulated expression of galectin-3 is involved in cancer progression and metastasis. Galectin-3 mediates the endocytosis of  $\beta 1$  Integrins in a lactose-dependent manner and is associated with thyroid malignancy and Crohn's disease. It may also be used as a marker for diagnosing cases involving Hurthle cell adenomas and carcinomas.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

26 kDa

### Swiss-Prot:

P17931(Human) P08699(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:1,000-1:5,000

FC:1:50-1:100

ICC:1:50-1:200

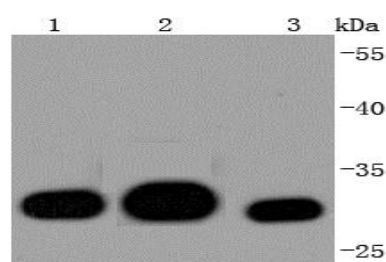
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

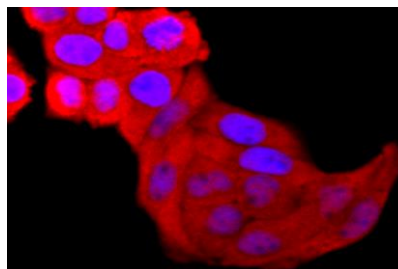
### Specificity:

Galectin 3 polyclonal antibody detects endogenous levels of Galectin 3 protein.

### DATA:



Western blot analysis of Galectin 3 on different lysates using anti-Galectin 3 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: NIH/3T3 Lane 3: THP-1



ICC staining Galectin 3 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

### Note:

For research use only, not for use in diagnostic procedure.

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