

Anti-Galectin-3/LGALS3 Antibody (5Z505)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5Z505
Purification:	Protein A

Applications

1. Anti-Galectin3 rabbit monoclonal antibody at 1:500 dilution.

-Lane A: Hela Whole Cell Lysate.

-Lane B: SW480 Whole Cell Lysate.

-Lane C: A431 Whole Cell Lysate.

-Lane D: MCF7 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

-Secondary

-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

-Predicted band size:26 kDa.

-Observed band size:30 kDa.

Verified Activity: 2. Galectin3 was immunoprecipitated using:

-Lane A:0.5 mg Hela Whole Cell Lysate.

-Lane B:0.5 mg MCF-7 Whole Cell Lysate.

-Lane C:0.5 mg A431 Whole Cell Lysate.

-2 µL anti-Galectin3 rabbit monoclonal antibody and 15 µL of 50 % Protein G agarose.

-Primary antibody:

-Anti-Galectin3 rabbit monoclonal antibody, at 1:500 dilution.

-Secondary antibody:

-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.

-Developed using the odyssey technique.

-Performed under reducing conditions.

-Predicted band size: 30 kDa.

-Observed band size: 30 kDa

Application: IP,WB

Recommended WB: 1:500-1:2000; IP: 1-4 µL/mg of lysate

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human Galectin-3 / LGALS3 protein

Antigen Species: Human

Research Background

LGALS3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. LGALS3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. LGALS3 has an important role in tumor progression through inhibition of apoptosis. LGALS3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of LGALS3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with LGALS3 include Follicular Adenoma and Papillary Carcinoma.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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