

Anti-LGALS3 Antibody (9L292)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9L292
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: MCF-7 whole cell lysate, Hela whole cell lysate, NIH/3T3 whole cell lysate, Colo320 whole cell lysate, HT29 whole cell lysate-All lanes: Galectin 3 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 27 kDa-Observed band size: 31 kDa <p>2. IHC image of TMAH-00693 diluted at 1:100 and staining in paraffin-embedded human ovarian cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Immunofluorescence staining of MCF7 Cells with TMAH-00693 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p> <p>4. Immunoprecipitating LGALS3 in Hela whole cell lysate</p> <ul style="list-style-type: none">-Lane 1: Rabbit control IgG instead of TMAH-00693 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)-Lane 2: TMAH-00693(2µg)+ Hela whole cell lysate(500µg)-Lane 3: Hela whole cell lysate (10µg)
Application:	ELISA,IF,IHC,IP,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200; IP:1:200-1:1000.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: Human Galectin 3
Antigen Species:	Human
Gene ID:	3958
Uniprot ID:	P17931
Synonyms:	GAL3;Gal-3;L29;LGALS3;Mac-2;MAC2GAL3;CBP35;GALIG;Lectin L-29;galactin-3;LGALS2;Galectin3;GALBPCBP35;AGE-R3;L31
Biology Area:	Neuroscience, Cell biology

Research Background

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481