

Anti-Galectin 3 Antibody (5T518)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 29 kDa. Actual: 29 kDa.
Clone:	5T518
Purification:	Protein G purified

Applications

	<p>1. 4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Galectin 3) monoclonal Antibody, unconjugated (TMAB-06287) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.</p>
Verified Activity:	<p>2. 25 µg total protein per lane of various lysates (see on figure) probed with Galectin 3 monoclonal antibody, unconjugated (TMAB-06287) at 1: 2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>3. 25 µg total protein per lane of various lysates (see on figure) probed with Galectin 3 monoclonal antibody, unconjugated (TMAB-06287) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB,ICC/IF
Recommended	WB: 1:500-2000; ICC/IF: 1:100-500

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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Galectin-3 full length protein
Antigen Species:	Human
Gene ID:	3958
Uniprot ID:	P17931

Research Background

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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