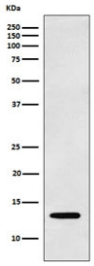
LGALS1 Antibody ADGB-12 / Galectin 1 Rabbit MAb [clone ADGB-12] (RQ5273)

Catalog No.	Formulation	Size
RQ5273	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	ADGB-12
Purity	Affinity purified
UniProt	P09382
Applications	1:500-1:2000
Limitations	This LGALS1 Antibody ADGB-12 is available for research use only.



Western blot testing of human K562 cell lysate with LGALS1 Antibody ADGB-12. Predicted molecular weight ~14 kDa.

Description

LGALS1 Antibody ADGB-12 recognizes LGALS1, also known as Galectin-1, a highly conserved member of the galectin family of beta-galactoside-binding lectins. LGALS1 participates in numerous biological processes including cell adhesion, cell migration, proliferation, apoptosis, angiogenesis, immune regulation, and extracellular matrix remodeling. Through its ability to bind glycoconjugates present on cell surfaces and within the extracellular environment, Galectin-1 serves as an important mediator of cellular communication and glycan-dependent signaling pathways in both normal physiology and disease states.

LGALS1 Antibody is widely used to investigate the diverse biological functions of Galectin-1 across multiple tissue types. The protein is localized within the cytoplasm, nucleus, cell surface, and extracellular compartment, where it regulates receptor organization, signal transduction, and cell-cell interactions. LGALS1 contains a conserved carbohydrate recognition domain that enables binding to beta-galactoside-containing glycans and contributes to the formation of molecular complexes involved in cellular activation, differentiation, and tissue homeostasis.

LGALS1 Antibody has become an important tool in immunology research because Galectin-1 plays a critical role in immune homeostasis and inflammatory regulation. The protein influences T-cell activation, immune tolerance, leukocyte trafficking, and communication between immune and stromal cell populations. Altered expression of LGALS1 has been associated with inflammatory disorders, autoimmune disease, infection, tissue repair, and changes within the immune microenvironment, making it a valuable biomarker for studies of immune function and host response pathways.

LGALS1 Antibody is also extensively utilized in oncology, angiogenesis, and glycobiology research. Increased Galectin-1 expression has been reported in numerous malignancies, where it may contribute to tumor progression, immune evasion, vascular remodeling, and metastatic behavior. Because LGALS1 regulates both tumor cells and surrounding stromal components through glycan-mediated interactions, it has become an important target for studies of tumor biology and therapeutic development. Consequently, Galectin-1 remains a widely investigated marker in cancer research, vascular biology, developmental biology, and cell signaling applications.

Researchers studying glycan-dependent cell signaling, immune homeostasis, and Galectin-1 biology may also be interested in our Galectin 1 Antibody / Immune Regulation Protein Antibody.may also be a significant factor that augments the efficiency of the HIV-1 infection process.

Application Notes

Optimal dilution of the LGALS1 Antibody ADGB-12 should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Galectin 1 / LGALS1 was used as the immunogen for the LGALS1 antibody.

Storage

Store the LGALS1 antibody at -20oC.

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