

87985

Galectin-3/LGALS3 (D4I2R) XP[®] Rabbit



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP, IHC-P, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 28	Source/Isotype: Rabbit IgG	UniProt ID: #P17931	Entrez-Gene Id: 3958
Product Usage Information		Application Western Blotting Immunoprecipitation Immunohistochemistry (Paraffin) Immunofluorescence (Immunocytochemistry)			Dilution 1:1000 1:100 1:300 - 1:1200 1:400 - 1:1600	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		For a carrier free (BSA and azide free) version of this product see product #70310. Galectin-3/LGALS3 (D4I2R) XP [®] Rabbit mAbrecognizes endogenous levels of total Galectin-3/LGALS3 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human Galectin-3/LGALS3 protein.				
Background		acetyllactosamine-enri galectin family have be growth regulation (4), Galectin-3/LGALS3 is in Galectin-3/LGALS3 is a Intracellularly, Galectin type and experimental splicing factor (9). Gale in obesity, and the pro Galectin-3/LGALS3 for for the NG2 proteogly	iched glycoconjuga een implicated in a cytokine productio nvolved in several c n unusual protein n-3/LGALS3 can loc l conditions. Nuclea ectin-3/LGALS3 pro tein itself can have ms a complex with can, which triggers	ing proteins that are chartes and a carbohydrate-variety of biological fun n (5), T cell apoptosis (6) liverse biological function that it can be found be alize to the cytoplasm, n ar Galectin-3/LGALS3 has duction has been shown an inflammatory effect α3, β1 integrin to act as cell motility and angioguired factor for the term	binding site (1,2). Notions, including ce , and immune responss. Galectin-3/LGAl oth extracellularly a ucleus, or both, de s been identified as to increase during under certain cond a surface receptor enesis (11). In addi	Members of the II adhesion (3), onses (7). LS3 binds IgE (8). and intracellularly. pending on cell a pre-mRNA inflammation and litions (10). on endothelial cells tion to these
Background References		1. Barondes, S.H. et al. (1994) <i>Cell</i> 76, 597-8. 2. Barondes, S.H. et al. (1994) <i>J Biol Chem</i> 269, 20807-10. 3. Offner, H. et al. (1990) <i>J Neuroimmunol</i> 28, 177-84. 4. Wells, V. and Mallucci, L. (1991) <i>Cell</i> 64, 91-7. 5. Filer, A. et al. (2009) <i>Arthritis Rheum</i> 60, 1604-14. 6. Perillo, N.L. et al. (1995) <i>Nature</i> 378, 736-9. 7. Cooper, D.N. et al. (1991) <i>J Cell Biol</i> 115, 1437-48. 8. Platzer, B. et al. (2011) <i>Immunol Lett</i> 141, 36-44. 9. Haudek, K.C. et al. (2010) <i>Biochim Biophys Acta</i> 1800, 181-9. 10. Pang, J. et al. (2013) <i>PLoS One</i> 8, e57915. 11. Fukushi, J. et al. (2004) <i>Mol Biol Cell</i> 15, 3580-90. 12. Hikita, C. et al. (2000) <i>J Cell Biol</i> 151, 1235-46.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) IF-IC:

Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: Human

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