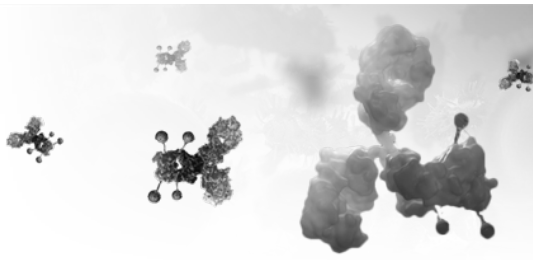

# Anti-LGALS3 (full length) polyclonal antibody (DPAB-DC1839)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | 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. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010] |
| **Immunogen** | LGALS3 (AAH01120, 1 a.a. ~ 250 a.a) full-length recombinant protein with GST tag. The sequence is MADNFSLHDALSGSGNPNPQGWPGAWGNQPAGAGGYPGASYPGAYPGQAPPGAYPGQAPP GAYPGAPGAYPGAPAPGVYPGPPSGPGAYPSSGQPSATGAYPATGPYGAPAGPLIVPYNL PLPGGVVPRMLITILGTVKPNANRIALDFQRGNDVAFHFNPRFNENNRRVIVCNTKLDNN WGREERQSVFPFESGKPFKIQVLVEPDHFKVAVNDAHLLQYNHRVKKLNEISKLGISGDI DLTSASYTMI |
| **Source/Host** | Mouse |
| **Species Reactivity** | Human |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Recombinant protein), ELISA, |
| **Size** | 50 µl |
| **Buffer** | 50 % glycerol |
| **Preservative** | None |

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| | |
|---|---|
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

# GENE INFORMATION

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|---|---|
| **Gene Name** | LGALS3 lectin, galactoside-binding, soluble, 3 [ Homo sapiens (human) ] |
| **Official Symbol** | LGALS3 |
| **Synonyms** | LGALS3; lectin, galactoside-binding, soluble, 3; L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2; galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35; |
| **Entrez Gene ID** | 3958 |
| **Protein Refseq** | NP_001170859 |
| **UniProt ID** | A0A024R693 |
| **Chromosome Location** | 14q22.3 |
| **Pathway** | AGE/RAGE pathway; Hedgehog signaling events mediated by Gli proteins; Innate Immune System; |
| **Function** | IgE binding; carbohydrate binding; chemoattractant activity; laminin binding |

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