



# Anti-LGALS3 polyclonal antibody [Biotin] (DPABY-534)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The galectins constitute a large family of carbohydrate-binding proteins that function in many systems both intracellularly and following secretion. Galectins contain either one or two carbohydrate recognition domains (CRR) which mediate recognition of N-acetyl-lactosamine-containing glycoproteins. Some galectins exist in multiple isoforms due to alternative splicing. Individual galectins differ in their tissue distribution and in their carbohydrate-binding specificities.
<b>Specificity</b>	Detects human Galectin-3 in ELISAs and Western blots. In sandwich ELISAs, approximately 25% cross-reactivity with recombinant mouse Galectin-3 is observed and less than 0.2% cross-reactivity with recombinant human Galectin-1, -2, -4, -7, -8, and -10 is observed.
<b>Immunogen</b>	E. coli-derived recombinant human Galectin-3. Ala2-Ile250 Accession Number Q6IBA7
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, Flow Cytometry, ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">LGALS3 lectin, galactoside-binding, soluble, 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LGALS3
<b>Synonyms</b>	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 3
<b>Entrez Gene ID</b>	<a href="#">3958</a>
<b>Protein Refseq</b>	<a href="#">NP_001170859</a>
<b>UniProt ID</b>	<a href="#">A0A024R693</a>
<b>Chromosome Location</b>	14q22.3
<b>Pathway</b>	AGE/RAGE pathway; Advanced glycosylation endproduct receptor signaling; Hedgehog signaling events mediated by Gli proteins; Immune System; Innate Immune System; Spinal Cord Injury;
<b>Function</b>	IgE binding; carbohydrate binding; chemoattractant activity; laminin binding; poly(A) RNA binding; protein binding;