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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54688_P050-HRP
Product Page	www.avivasysbio.com/lgals3-antibody-n-terminal-region-hrp-arp54688-p050-hrp.html
Name	LGALS3 Antibody - N-terminal region : HRP (ARP54688_P050-HRP)
Protein Size (# AA)	250 amino acids
Molecular Weight	26kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	3958
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	galectin 3
Alias Symbols	L31, GAL3, MAC2, CBP35, GALBP, GALIG, LGALS2
Peptide Sequence	Synthetic peptide located within the following region: GASYPGAYPGQAPPGAYPGQAPPGAYPGAPGAYPGAPAGVYPGPPSPGPG
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Bartolazzi, A., (2008) <i>Lancet Oncol.</i> 9 (6), 543-549
Description of Target	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.
Protein Interactions	PRR13; SS18L1; PPIG; LGALS3; GOLGA2; MAP1LC3A; SQSTM1; RAB7A; LAMP1; EGFR; CFTR; PAXIP1; BARD1; AGPS; IGBP1; GTF2I; CLNS1A; APP; SLC25A5; ACTA1; MYOC; LGALS3BP; CYHR1; GEMIN4; SUFU; CUBN; CSNK1A1; LIM2; FCGR2A; ELN; MMP2; CSNK2A2; CSNK2A1; C1GALT1C1; LGAL
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-LGALS3 (ARP54688_P050-HRP) antibody
Additional Information	IHC Information: Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)
Blocking Peptide	For anti-LGALS3 (ARP54688_P050-HRP) antibody is Catalog # AAP54688 (Previous Catalog # AAPP31479)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human LGALS3
Uniprot ID	P17931
Protein Name	galectin-3
Publications	Guha, P. et al. Nicotine promotes apoptosis resistance of breast cancer cells and enrichment of side population cells with cancer stem cell-like properties via a signaling cascade involving galectin-3, -alpha9 nicotinic acetylcholine receptor and STAT3. <i>Breast Cancer Res. Treat.</i> 145, 5-22 (2014). WB, IHC, Pig, Mouse, Human, Bovine, Dog, Rat, Horse, Guinea pig, Rabbit 24668500
Sample Type Confirmation	LGALS3 is supported by BioGPS gene expression data to be expressed in MCF7

Protein Accession #	NP_002297
Purification	Affinity Purified
Nucleotide Accession #	NM_002306
Gene Symbol	LGALS3
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 92%; Horse: 92%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 92%; Rat: 93%
Image 1	

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Optimal conditions of its use should be determined by end users.

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