



[Go to Product page](#)

Datasheet for ABIN1513152

## anti-Galectin 3 antibody (AA 1-250)

7 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	Galectin 3 (LGALS3)
Binding Specificity:	AA 1-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Galectin 3 antibody is un-conjugated
Application:	Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human Galectin 3/Galectin 3/LGALS3 (NP_002297.2).
Sequence:	MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYAP AGPLIVPYNL PLPGGVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENRRRV IVCNTKLDNN WGREERQSVF PFESGKPKFI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	Galectin 3 (LGALS3)
Alternative Name:	LGALS3 ( <a href="#">LGALS3 Products</a> )
Target Type:	Chemical
Background:	<p>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.,LGALS3,CBP35,GAL3,GALBP,GALIG,L31,LGALS2,MAC2,Epigenetics &amp; Nuclear Signaling,RNA Binding,Cell Biology &amp; Developmental Biology,Cell Cycle,Cell differentiation,Cell Adhesion,Neuroscience,LGALS3</p>
Molecular Weight:	26 kDa
Gene ID:	3958
UniProt:	<a href="#">P17931</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

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Application Notes:	IF,1:20 - 1:50
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles

## Handling

Storage: -20 °C

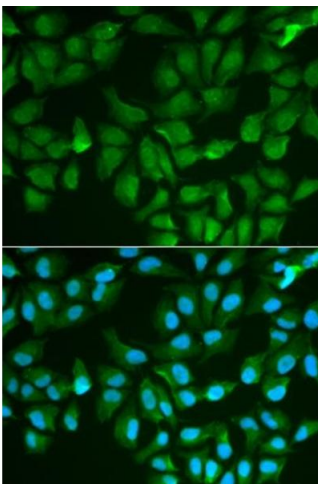
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Publications

Product cited in: Zheng, Zhou, Zhang, Thu, Xie, Lu, Pang, Xue, Xu, Chen, Chen, Li, Xu: "Anhydroicaritin improves diet-induced obesity and hyperlipidemia and alleviates insulin resistance by suppressing SREBPs activation." in: **Biochemical pharmacology**, Vol. 122, pp. 42-61, (2017) ([PubMed](#)).

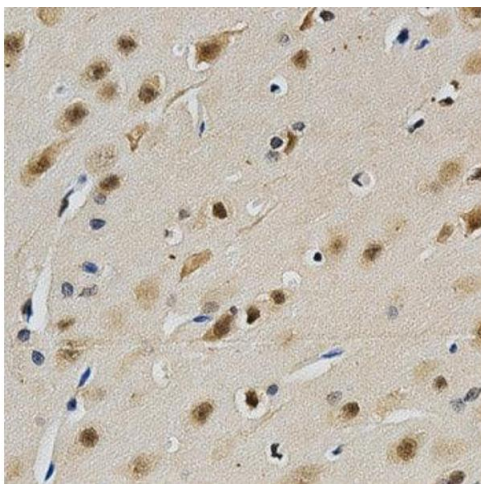
Guo, Hu, Chen, Li, Ye, Cheng, Zhang, He: "iTRAQ-based comparative proteomic analysis of Vero cells infected with virulent and CV777 vaccine strain-like strains of porcine epidemic diarrhea virus." in: **Journal of proteomics**, Vol. 130, pp. 65-75, (2016) ([PubMed](#)).

## Images



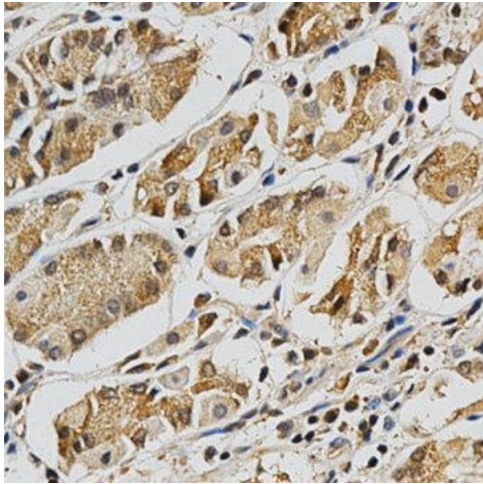
### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using Galectin 3/LG antibody (ABIN3021986, ABIN3021987, ABIN1513152 and ABIN6218555) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 0.5s.



### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded rat brain using LGALS3 antibody at dilution of 1:200 (x400 lens)



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human stomach using LGALS3 antibody at dilution of 1:200 (x400 lens)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1513152.