Datasheet for ABIN657647
anti-Galectin 3 antibody (C-Term)

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Overview

Quantity:	400 μL
Target:	Galectin 3 (LGALS3)
Binding Specificity:	AA 167-196, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This LGALS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 167-196 amino acids from the C-terminal region of human LGALS3.
Clone:	RB33695
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Galectin 3 (LGALS3)
Alternative Name:	LGALS3 (LGALS3 Products)
Target Type:	Chemical
Background:	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members

Target Details

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.

Molecular Weight:	26152
Gene ID:	3958
NCBI Accession:	NP_002297
UniProt:	P17931
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

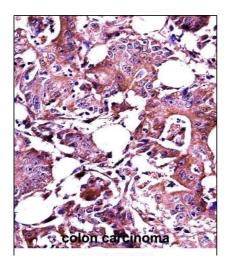|	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	LGALS3 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months

Publications

Product cited in:	Hoeffer, Santini, Ma, Arnold, Whelan, Wong, Pierre, Pelletier, Klann: "Multiple components of

Publications

eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation." in:

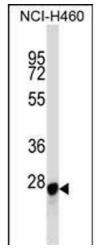**Journal of neurophysiology**, Vol. 109, Issue 1, pp. 68-76, (2013) (PubMed).

Images

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. LGALS3 Antibody (C-term) ((ABIN657647 and ABIN2846642))immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of LGALS3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. LGALS3 Antibody (C-term) (ABIN657647 and ABIN2846642) western blot analysis in NCI- cell line lysates (35 µg/lane).This demonstrates the LGALS3 antibody detected the LGALS3 protein (arrow).

Western Blotting

Image 3. Anti-LGALS3 Antibody (C-term) at 1:1000 dilution + U118MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.