

LGALS8 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17988b

Specification

LGALS8 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O00214
Other Accession	NP_963837
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	271-298

LGALS8 Antibody (C-term) - Additional Information

Gene ID 3964

Other Names

Galectin-8, Gal-8, Po66 carbohydrate-binding protein, Po66-CBP, Prostate carcinoma tumor antigen 1, PCTA-1, LGALS8

Target/Specificity

This LGALS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 271-298 amino acids from the C-terminal region of human LGALS8.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LGALS8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LGALS8 Antibody (C-term) - Protein Information

Name LGALS8 ([HGNC:6569](#))

Function Beta-galactoside-binding lectin that acts as a sensor of membrane damage caused by

infection and restricts the proliferation of infecting pathogens by targeting them for autophagy (PubMed:[22246324](#), PubMed:[28077878](#)). Detects membrane rupture by binding beta-galactoside ligands located on the luminal side of the endosome membrane; these ligands becoming exposed to the cytoplasm following rupture (PubMed:[22246324](#), PubMed:[28077878](#)). Restricts infection by initiating autophagy via interaction with CALCOCO2/NDP52 (PubMed:[22246324](#), PubMed:[28077878](#)). Required to restrict infection of bacterial invasion such as *S.typhimurium* (PubMed:[22246324](#)). Also required to restrict infection of Picornaviridae viruses (PubMed:[28077878](#)). Has a marked preference for 3'-O-sialylated and 3'-O-sulfated glycans (PubMed:[21288902](#)).

Cellular Location

Cytoplasmic vesicle. Cytoplasm, cytosol

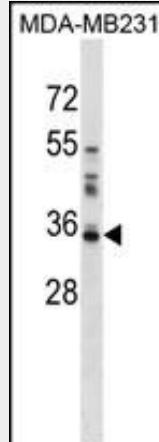
Tissue Location

Ubiquitous. Selective expression by prostate carcinomas versus normal prostate and benign prostatic hypertrophy

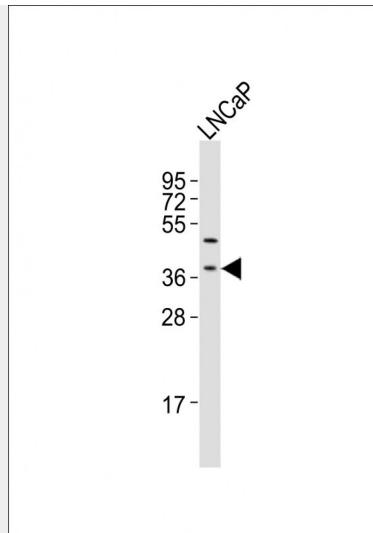
LGALS8 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

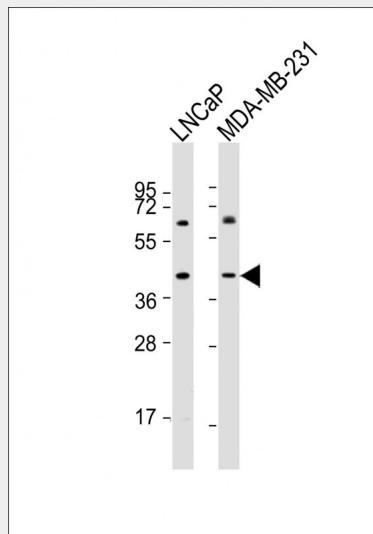
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LGALS8 Antibody (C-term) - Images

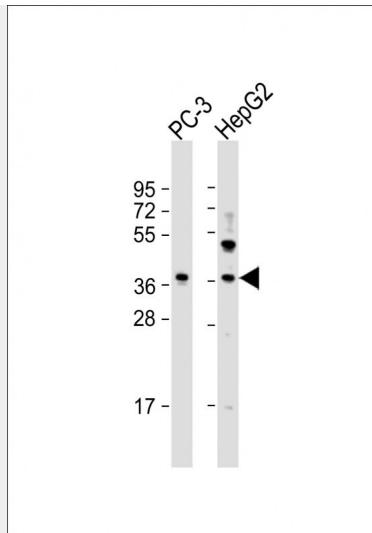
LGALS8 Antibody (C-term) (Cat. #AP17988b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the LGALS8 antibody detected the LGALS8 protein (arrow).



Anti-LGALS8 Antibody (C-term) at 1:2000 dilution + LNCaP whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-LGALS8 Antibody (C-term) at 1:2000 dilution Lane 1: LNCaP whole cell lysates Lane 2: MDA-MB-231 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-LGALS8 Antibody (C-term) at 1:2000 dilution Lane 1: PC-3 whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 36 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

LGALS8 Antibody (C-term) - Background

This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction, growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified.

LGALS8 Antibody (C-term) - References

Cludts, S., et al. Anticancer Res. 29(12):4933-4940(2009)
Cueni, L.N., et al. Exp. Cell Res. 315(10):1715-1723(2009)
Yoshida, H., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 65 (PT 5), 512-514 (2009) :
Massardo, L., et al. Lupus 18(6):539-546(2009)
Savin, S., et al. Med. Oncol. 26(3):314-318(2009)