abcam

ab217572

Anti-LGALS3BP antibody [EPR21757-33]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR21757-33
Purification technique	Affinity purification Protein A
Concentration	0.635 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat

Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/60
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information LGALS3BP

Function	Promotes integrin-mediated cell adhesion. May stimulate host defense against viruses and tumor cells.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	LGALS3BP also known as Galectin-3-binding protein (Mac-2 binding protein 90K) is a multifaceted glycoprotein with a mass of approximately 90 kDa. It typically interacts with galectins especially galectin-3 and is known for its adhesive properties. Researchers frequently observe it in various tissues including epithelial cells immune cells and in the extracellular matrix highlighting its involvement across different biological functions.
Biological function summary	The LGALS3BP glycoprotein modulates cell-cell and cell-matrix interactions. It does not operate alone; researchers have identified its presence in multiple complexes impacting several cellular processes such as immune modulation cell adhesion and migration. LGALS3BP can affect the immune response by influencing T-cell and natural killer cell activities which can alter the body's defense against pathogens and tumors.
Pathways	LGALS3BP significantly influences the signaling pathways involved with immune function and cellular adhesion. It plays an important role in the galectin pathway where it interacts with galectin-3 contributing to processes like cell growth and apoptosis. Additionally it affects the integrin-mediated signaling pathway enhancing cell adhesion and motility which is vital for cell migration and signaling dynamics. These interactions involve proteins such as integrins and other adhesion molecules that influence cellular communication and structural integrity.
Associated diseases and disorders	LGALS3BP is strongly linked to cancer and inflammation-related conditions. Its overexpression is correlated with tumor progression and metastasis as seen in various cancers such as breast and colorectal cancer. LGALS3BP modulates its effects by interacting with galectin-3 influencing tumor-immune escape

mechanisms and promoting tumor growth. Further its role in inflammatory disorders suggests it contributes to pathological processes through interactions with proteins that mediate inflammation and immune response.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

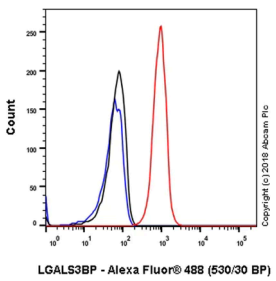
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

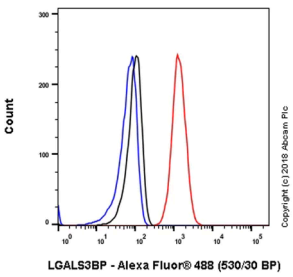
5 product images



Flow Cytometry (Intracellular) - Anti-LGALS3BP antibody [EPR21757-33] (ab217572)

LGALS3BP Flow Cytometry (Intracellular) staining using rabbit Anti-LGALS3BP antibody

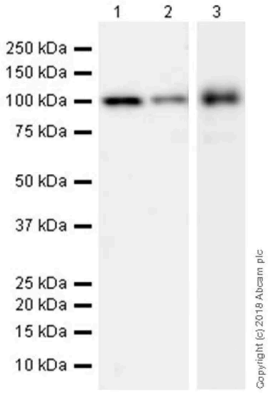
Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized HepG2 (Human hepatocellular carcinoma epithelial cell) cell line labeling LGALS3BP with ab217572 at 1/60 (red) compared with a Rabbit monoclonal IgG (ab172730) (black) and an unlabeled control (cells incubated with secondary antibody only) (blue). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077), at 1/2000 dilution was used as the secondary antibody.



Flow Cytometry (Intracellular) - Anti-LGALS3BP antibody [EPR21757-33] (ab217572)

LGALS3BP Flow Cytometry (Intracellular) staining using rabbit Anti-LGALS3BP antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol permeabilized MCF7 (Human breast adenocarcinoma epithelial cell) cell line labeling LGALS3BP with ab217572 at 1/60 (red) compared with a Rabbit monoclonal IgG (ab172730) (black) and an unlabeled control (cells incubated with secondary antibody only) (blue). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077), at 1/2000 dilution was used as the secondary antibody.



Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572)

LGALS3BP Western blot staining using rabbit Anti-LGALS3BP antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure time: Lanes 1 and 2: 3 minutes; Lane 3: 10 seconds.

The molecular mass observed is consistent with what has been described in the literature (PMID: 21526146, PMID: 21094132).

All lanes:
Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572) at 1/1000 dilution

Lane 1:
Human fetal brain lysate at 10 µg

Lane 2:
Human heart lysate at 10 µg

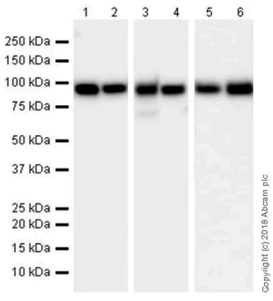
Lane 3:
Human fetal kidney lysate at 10 µg

Secondary

All lanes:
Western blot - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/2000 dilution

Predicted band size: 65 kDa

Observed band size: 70 kDa, 97 kDa



Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572)

LGALS3BP Western blot staining using rabbit Anti-LGALS3BP antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure times: Lanes 1 and 2: 37 seconds; Lanes 3 and 4: 15 seconds; Lanes 5 and 6: 81 seconds.

The molecular mass observed is consistent with what has been described in the literature (PMID: 21526146, PMID: 21094132).

Lanes 1 - 4:
Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572) at 1/5000 dilution

Lanes 5 - 6:
Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572) at 1/1000 dilution

Lane 1:
HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 3:
A549 (Human lung carcinoma epithelial cell) whole cell lysate at 20 µg

Lane 4:
HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 5:
4T1 (Mouse mammary gland carcinoma epithelial cell) whole cell lysate at 20 µg

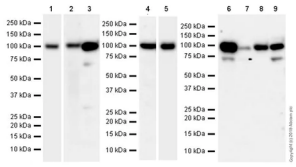
Lane 6:
Hepa1-6 (Mouse hepatoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 65 kDa

Observed band size: 70 kDa, 97 kDa



Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572)

LGALS3BP Western blot staining using rabbit Anti-LGALS3BP antibody

Blocking/Dilution buffer: 5% NFDM/TBST.
Exposure times: Lane 1: 15 seconds; Lanes 3 and 4: 136 seconds; Lane 4: 3 minutes; Lane 5: 15 seconds; Lanes 6,7,8 and 9: 103 seconds.

The molecular mass observed is consistent with what has been described in the literature (PMID: 21526146, PMID: 21094132).

All lanes:
Western blot - Anti-LGALS3BP antibody [EPR21757-33] (ab217572) at 1/1000 dilution

Lane 1:
Rat brain lysate at 10 µg

Lane 2:
Rat liver lysate at 10 µg

Lane 3:
Rat spleen lysate at 10 µg

Lane 4:
Mouse heart lysate at 10 µg

Lane 5:
Mouse kidney lysate at 10 µg

Lane 6:
C6 (Rat glial tumor glial cell) whole cell lysate at 10 µg

Lane 7:
RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 10 µg

Lane 8:
PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate at 10 µg

Lane 9:
NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 65 kDa

Observed band size: 70 kDa, 97 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.