abcam

ab236509

Anti-LGALS3BP antibody [OTI3D6]

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human LGALS3BP aa 1-300. The exact immunogen used to generate this antibody is proprietary information. Database link Q08380
Clone number	OTI3D6
Purification technique	Affinity purification
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from cell culture supernatant.

Reactivity data

WB

Tested

Species	Human
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant fragment - Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/150
Notes	Heat induced epitope retrieval by 10mM citric buffer, pH 6.0, 100°C for 10 minutes.

Predicted

Species	Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant fragment - Human
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Recombinant fragment - Human
Dilution info	1/100
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Orangutan
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	-

Predicted

Species	Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant fragment - Human
Dilution info	-
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	Blue Ice
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

Clone OTI3D6 (formerly 3D6).

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

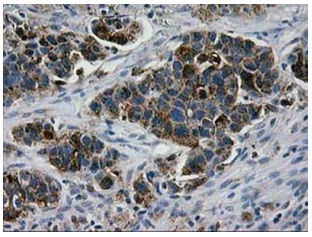
We do not recommend this combination. It is not covered by our product promise.

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.

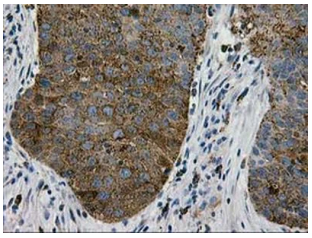
Full details and terms and conditions can be found here:
Terms & Conditions.

7 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

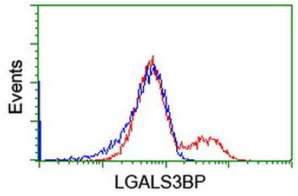
Paraffin-embedded human lung carcinoma tissue stained for LGALS3BP using ab236509 at 1/150 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

LGALS3BP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-LGALS3BP antibody

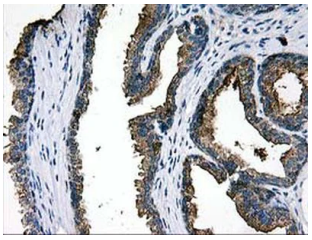
Paraffin-embedded human bladder carcinoma tissue stained for LGALS3BP using ab236509 at 1/150 dilution in immunohistochemical analysis.



Flow Cytometry (Intracellular) - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

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

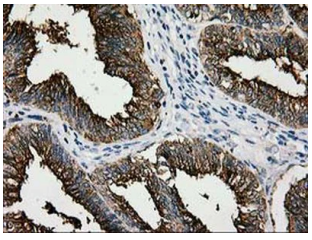
Flow cytometric analysis of HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells transfected with empty vector control (blue) or vector expressing LGALS3BP (red), labeling LGALS3BP with ab236509 at 1/100 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

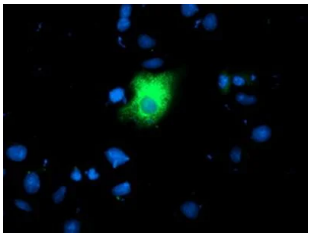
LGALS3BP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-LGALS3BP antibody

Paraffin-embedded human prostate tissue stained for LGALS3BP using ab236509 at 1/150 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

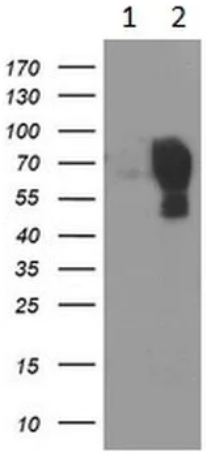
Paraffin-embedded human endometrium adenocarcinoma tissue stained for LGALS3BP using ab236509 at 1/150 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

LGALS3BP Immunocytochemistry/ Immunofluorescence staining using mouse Anti-LGALS3BP antibody

COS-7 (African green monkey kidney fibroblast-like cell line) cells transfected with pCMV6-ENTRY LGALS3BP cDNA stained for LGALS3BP (green) using ab236509 at 1/100 dilution in ICC/IF.



Western blot - Anti-LGALS3BP antibody [OTI3D6] (ab236509)

All lanes:
Western blot - Anti-LGALS3BP antibody [OTI3D6] (ab236509) at 1/500 dilution

Lane 1:
HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with pCMV6-ENTRY control cDNA, whole cell lysate at 5 µg

Lane 2:
HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with pCMV6-ENTRY LGALS3BP cDNA, whole cell lysate at 5 µg

Predicted band size: 65 kDa

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