abcam

ab202765

Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR11912(B)
Purification technique	Affinity purification Protein A
Concentration	0.969 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information IGFBP7

Function	Binds IGF1 and IGF2 with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion. Acts as a ligand for CD93 to play a role in angiogenesis (PubMed:38218180).

Storage

Shipped at conditions	Blue Ice

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab202765 is the carrier-free version of ab171085.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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.

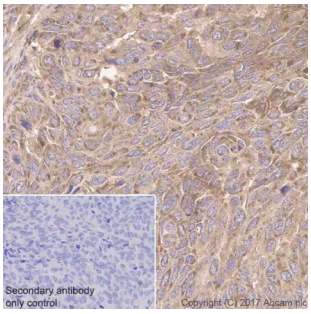
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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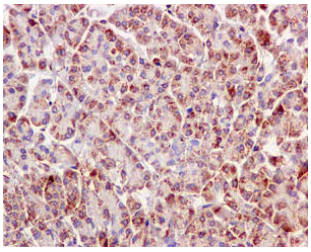
9 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IGFBP7 antibody

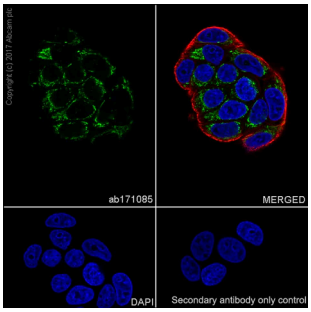
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung cancer tissue sections labeling IGFBP7 with purified ab171085 at 1:250 dilution (2.4 µg/ml). Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use). PBS instead of the primary antibody was used as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IGFBP7 antibody

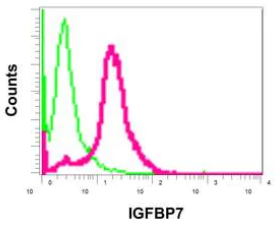
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling IGFBP7 with ab171085 at 1/50 dilution. This image was produced using unpurified antibody.



Immunocytochemistry/ Immunofluorescence - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IGFBP7 antibody

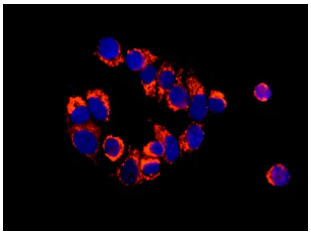
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Immunocytochemistry/ Immunofluorescence analysis of MCF7 (human breast adenocarcinoma epithelial cell) cells labeling IGFBP7 with Purified ab171085 at 1:100 (6.0 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Flow Cytometry (Intracellular) staining using rabbit Anti-IGFBP7 antibody

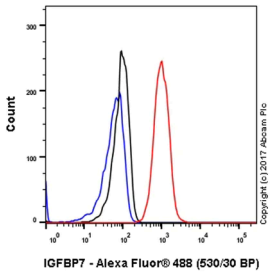
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized 293T cells labeling IGFBP7 with ab171085 at 1/250 dilution (red) compared to a rabbit IgG negative control (green). This image was produced using unpurified antibody.



Immunocytochemistry/ Immunofluorescence - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IGFBP7 antibody

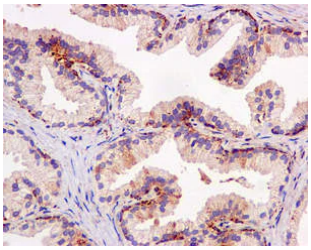
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of MCF7 cells labeling IGFBP7 with ab171085 at 1/250 dilution. This image was produced using unpurified antibody.



Flow Cytometry (Intracellular) - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Flow Cytometry (Intracellular) staining using rabbit Anti-IGFBP7 antibody

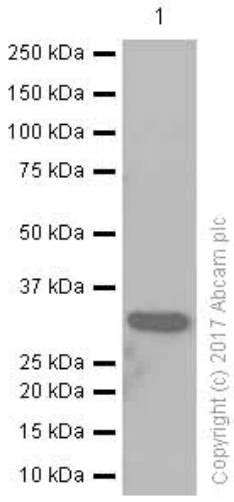
This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling IGFBP7 with purified ab171085 at 1/60 dilution (10 ug/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluorr® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

IGFBP7 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IGFBP7 antibody

This data was developed using ab171085, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human prostate tissue labeling IGFBP7 with ab171085 at 1/50 dilution. This image was produced using unpurified antibody.



Western blot - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

This data was developed using ab171085, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085) at 1/10000 dilution

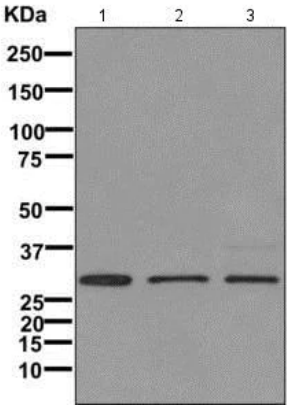
All lanes:
SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates at 15 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 29 kDa

Observed band size: 29 kDa



Western blot - Anti-IGFBP7 antibody [EPR11912(B)] - BSA and Azide free (ab202765)

This data was developed using ab171085, the same antibody clone in a different buffer formulation.
This image was produced using unpurified antibody.

All lanes:
Western blot - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085) at 1/1000 dilution

Lane 1:
SW480 cell lysate at 10 µg

Lane 2:
293T cell lysate at 10 µg

Lane 3:
MCF7 cell lysate at 10 µg

Predicted band size: 29 kDa

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