abcam

# ab171085

# Anti-IGFBP7 antibody [EPR11912(B)]

Recombinant | RabMAb | 20ul selling size

## Key facts

| | |
|---|---|
| **Isotype** | IgG |
| **Host species** | Rabbit |
| **Storage buffer** | 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** | EPR11912(B) |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 0.579 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

### WB

#### Tested

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/1000 - 1/10000 |
| **Notes** | - |

### ICC/IF

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/100 |
| **Notes** | - |

## Flow Cyt (Intra)

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/60 |
| **Notes** | ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |

## IHC-P

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 1/250 |
| **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** | 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.

## 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**

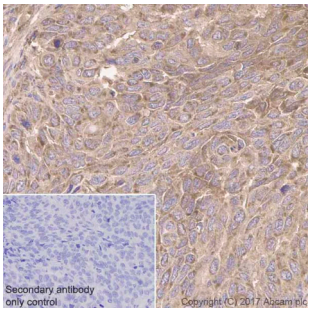
We do not recommend this combination. It is not covered by our product promise.

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.

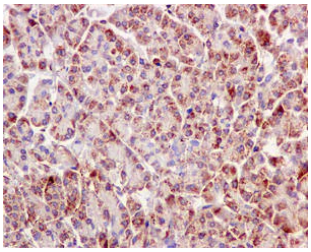
## 9 product images




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085)

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

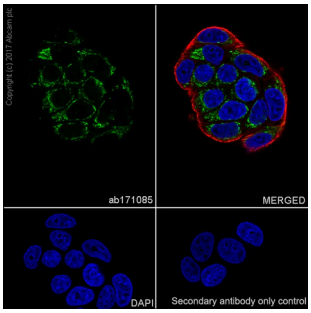
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung cancer tissue sections labeling IGFBP7 with purified ab171085 at 1:250 dilution (2.4 µg/ml). Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer pH 9.0). Tissue was counterstained with 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)] (ab171085)

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

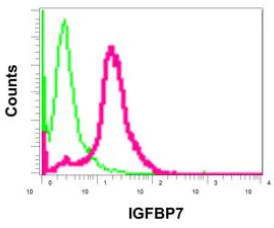
Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling IGFBP7 with ab171085 at 1/50 dilution. This image was produced using unpurified antibody.




### Immunocytochemistry/ Immunofluorescence - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085)

IGFBP7 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IGFBP7 antibody

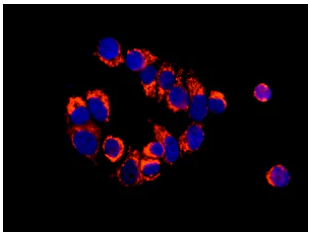
Immunocytochemistry/ Immunofluorescence analysis of MCF7 (human breast adenocarcinoma epithelial cell) cells labeling IGFBP7 with Purified ab171085 at 1:100 (6.0 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with ab195889 Anti-alpha 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)] (ab171085)

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

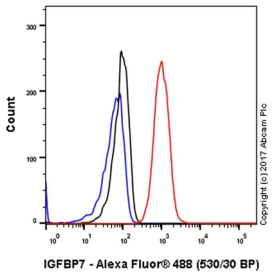
Intracellular flow cytometric analysis of permeabilized 293T cells labeling IGFBP7 with ab171085 at 1/250 dilution (red) compared to a rabbit IgG negative control (green). This image was produced using unpurified antibody.



## Immunocytochemistry/ Immunofluorescence - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085)

IGFBP7 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IGFBP7 antibody

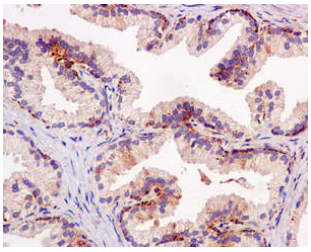
Immunofluorescent analysis of MCF7 cells labeling IGFBP7 with ab171085 at 1/250 dilution. This image was produced using unpurified antibody.




## Flow Cytometry (Intracellular) - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085)

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

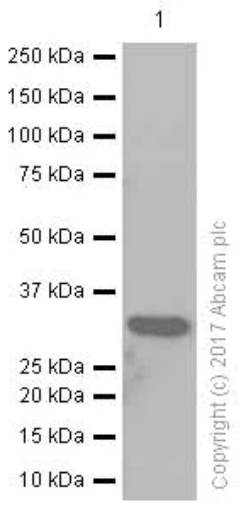
Intracellular Flow Cytometry analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling IGFBP7 with purified ab171085 at 1/60 dilution (10 ug/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. 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)] (ab171085)

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

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)] (ab171085)

All lanes:
Western blot - Anti-IGFBP7 antibody [EPR11912(B)] (ab171085) at 1/10000 dilution

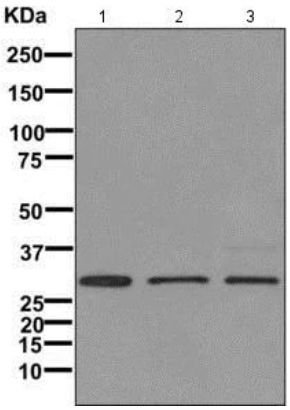
All lanes:
SW480 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates at 15 µg

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)] (ab171085)

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'.