abcam

# ab283312

# Anti-Cellubrevin antibody [EPR25065-16]

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** | EPR25065-16 |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 0.573 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |

## Reactivity data

## ICC/IF

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | 1/500 |
| **Notes** | - |

### Expected

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | Use at an assay dependent concentration. |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## IP

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | 1/30 |
| **Notes** | - |

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | 1/30 |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## WB

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | 1/1000 |
| **Notes** | - |

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | 1/1000 |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## IHC-Fr

### Not recommended

| | |
|---|---|
| **Species** | Mouse, Rat, Human |
| **Dilution info** | - |
| **Notes** | - |

## Flow Cyt (Intra)

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | 1/500 |
| **Notes** | - |

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | 1/500 |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## IHC-P

### Tested

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | 1/2000 |
| **Notes** | - |

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | 1/2000 |
| **Notes** | - |

### Not recommended

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | - |
| **Notes** | - |

## Target data

See full target information Vamp3

| | |
|---|---|
| **Function** | SNARE involved in vesicular transport from the late endosomes to the trans-Golgi network. |

## 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**

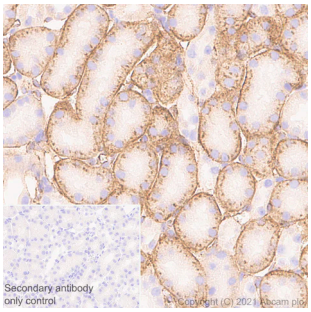
We do not recommend this combination. It is not covered by our product promise.

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.

## 11 product images

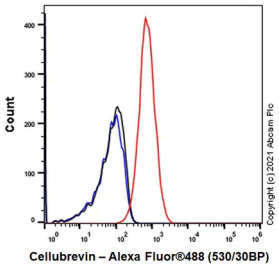



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

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

Immunohistochemical analysis of paraffin-embedded Mouse kidney tissue labelling Cellubrevin with ab283312 at 1/2000 (0.287 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining in mouse kidney. The section was incubated with ab283312 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

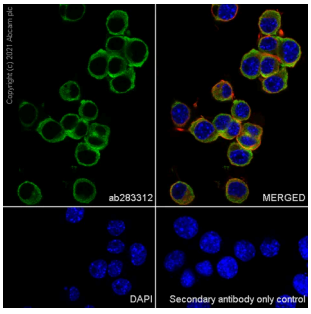
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.




## Flow Cytometry (Intracellular) - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

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

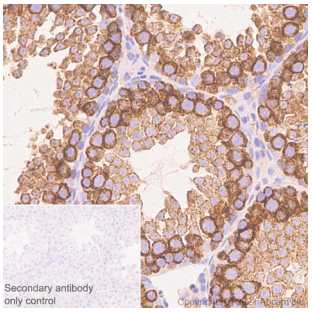
Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized NIH/3T3 (Mouse embryonic fibroblast) cells labelling Cellubrevin with ab283312 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat F(ab')2 Anti-Rabbit IgG (DyLight® 488, ab98507) at 1/500 dilution was used as the secondary antibody.




## Immunocytochemistry/ Immunofluorescence - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Cellubrevin antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Neuro-2a cells labelling Cellubrevin with ab283312 at 1/500 (11.46 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2 ug/ml) dilution (Green). Confocal image showing cytoplasmic staining in Neuro-2a cell line. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (2.5 ug/ml) dilution (Red). The Nuclear counterstain was DAPI (Blue).
Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.

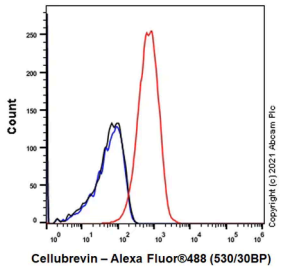



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

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

Immunohistochemical analysis of paraffin-embedded Mouse testis tissue labelling Cellubrevin with ab283312 at 1/2000 (0.287 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining in mouse testis. The section was incubated with ab283312 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

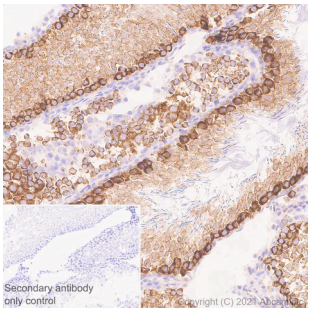
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.




## Flow Cytometry (Intracellular) - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

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

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized PC-12 (Rat adrenal gland pheochromocytoma) cells labelling Cellubrevin with ab283312 at 1/500 dilution (0.1ug) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat F(ab')2 Anti-Rabbit IgG (DyLight® 488, ab98507) at 1/500 dilution was used as the secondary antibody.

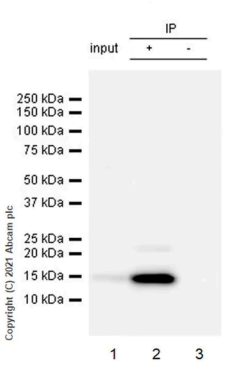



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

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

Immunohistochemical analysis of paraffin-embedded Rat testis tissue labelling Cellubrevin with ab283312 at 1/5000 (0.1146 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Cytoplasmic staining in rat testis. The section was incubated with ab283312 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.




## Immunoprecipitation - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin was immunoprecipitated from 0.35 mg Rat testis tissue lysate 10ug with ab283312 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab283312 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.
**Lane 1:** Rat testis tissue lysate 10ug

**Lane 2:** ab283312 IP in Rat testis tissue lysate

**Lane 3:** Rabbit monoclonal IgG (ab172730) instead of ab283312 in rat testis tissue lysate

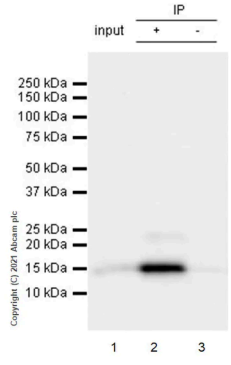
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 seconds.

All lanes:
Immunoprecipitation - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Predicted band size: 11 kDa

Observed band size: 15 kDa




## Immunoprecipitation - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin was immunoprecipitated from 0.35 mg Mouse testis tissue lysate 10ug with ab283312 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab283312 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.
**Lane 1:** Mouse testis tissue lysate 10ug

**Lane 2:** ab283312 IP in Mouse testis tissue lysate

**Lane 3:** Rabbit monoclonal IgG (ab172730) instead of ab283312 in mouse testis tissue lysate

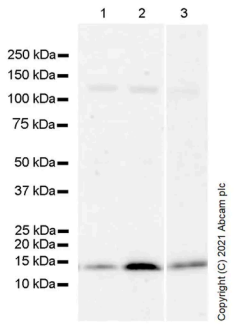
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 5 seconds.

All lanes:
Immunoprecipitation - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Predicted band size: 11 kDa

Observed band size: 15 kDa




## Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin Western blot staining using rabbit Anti-Cellubrevin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST
The blot of lane 1 & 2 was developed using a higher sensitivity ECL substrate.

Exposure time: Lane 1&2: 3 minutes;

Lane 3: 103 seconds.

All lanes:
Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312) at 1/1000 dilution

Lane 1:
NIH/3T3 (mouse embryonic fibroblast) whole cell lysate at 20 µg

Lane 2:
Neuro-2a (mouse neuroblastoma neuroblast) whole cell lysate at 20 µg

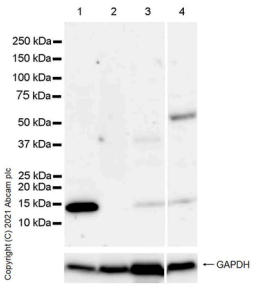
Lane 3:
4T1 (mouse mammary gland carcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 11 kDa

Observed band size: 15 kDa




## Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin Western blot staining using rabbit Anti-Cellubrevin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBSTLow expression: rat liver (PMID:8332193)
Exposure time: 103 seconds

All lanes:
Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312) at 1/1000 dilution

Lane 1:
Rat testis tissue lysate at 20 µg

Lane 2:
Rat liver tissue lysate at 40 µg

Lane 3:
Rat skeletal muscle tissue lysate at 20 µg

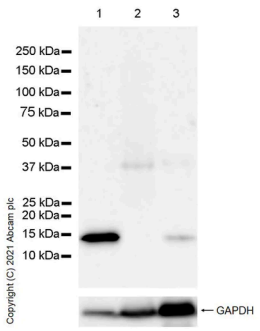
Lane 4:
PC-12 (rat adrenal gland pheochromocytoma), whole cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 11 kDa

Observed band size: 15 kDa




## Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312)

Cellubrevin Western blot staining using rabbit Anti-Cellubrevin antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST
The expression profile observed is consistent with what has been described in the literature (PMID: 8332193)

Exposure time: 103 seconds.

All lanes:
Western blot - Anti-Cellubrevin antibody [EPR25065-16] (ab283312) at 1/1000 dilution

Lane 1:
Mouse testis tissue lysate at 20 µg

Lane 2:
Mouse liver tissue lysate at 40 µg

Lane 3:
Mouse skeletal muscle tissue lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 11 kDa

Observed band size: 15 kDa

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