abcam

# ab270454

# Anti-PAEP/Glycodelin antibody [EPR23251-87]

Recombinant | RabMAb

## 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** | EPR23251-87 |
| **Purification technique** | Affinity purification Protein A |
| **Concentration** | 0.615 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 |
| **Notes** | - |

### Not recommended

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

## Flow Cyt (Intra)

### Tested

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

### Not recommended

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

## IHC-P

### Tested

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

### Not recommended

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

## ICC

### Not recommended

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

## Target data

See full target information Glycodelin

| | |
|---|---|
| **Function** | Glycoprotein that regulates critical steps during fertilization and also has immunomonomodulatory effects. Four glycoforms, namely glycodelin-S, -A, -F and -C have been identified in reproductive tissues that differ in glycosylation and biological activity. Glycodelin-A has contraceptive and immunosuppressive activities (PubMed:7531163, PubMed:9918684). Glycodelin-C stimulates binding of spermatozoa to the zona pellucida (PubMed:17192260). Glycodelin-F inhibits spermatozoa-zona pellucida binding and significantly suppresses progesterone-induced acrosome reaction of spermatozoa (PubMed:12672671). Glycodelin-S in seminal plasma maintains the uncapacitated state of human spermatozoa (PubMed:15883155). |

## 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**

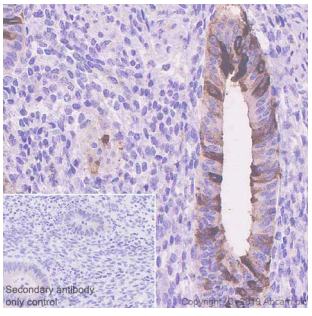
We do not recommend this combination. It is not covered by our product promise.

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.

## 5 product images

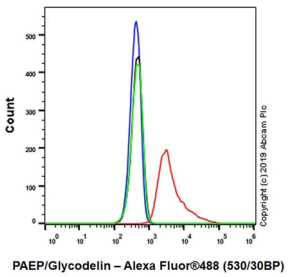



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454)

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

Immunohistochemical analysis of paraffin-embedded human endometrium tissue labeling PAEP/Glycodelin with ab270454 at 1/500 followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in glandular epithelial cells of human endometrium is observed. The section was incubated with ab270454 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

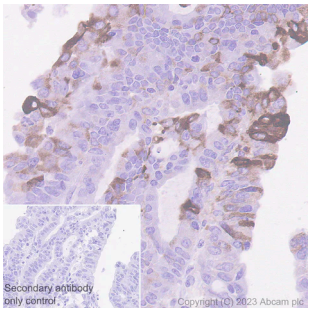
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).




## Flow Cytometry (Intracellular) - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454)

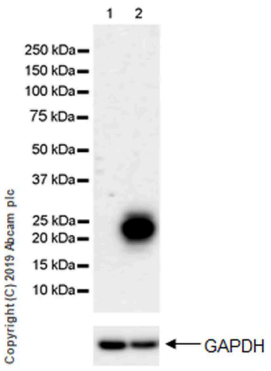
PAEP/Glycodelin Flow Cytometry (Intracellular) staining using rabbit Anti-PAEP/Glycodelin antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized K-562 (Human chronic myelogenous leukemia lymphoblast) cells treated with 2ng/ml TPA for 32h, then together with 300ng/ml BFA for another 16h (Red) / Untreated control (Green) labeling PAEP/Glycodelin with ab270454 at 1/500 dilution (0.1µg) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody. The expression level of PAEP/Glycodelin is induced in TPA treated K-562 cell (PMID:8025274).




## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454)

Immunohistochemical analysis of paraffin-embedded human endometrial carcinoma tissue labelling PAEP/Glycodelin with ab270454 at 1:500 dilution (1.162 µg/ml), followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Positive staining on human endometrial carcinoma is observed. The section was incubated with ab270454 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counter stained with Hematoxylin. Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).




## Western blot - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454)

PAEP/Glycodelin Western blot staining using rabbit Anti-PAEP/Glycodelin antibody

Blocking/Diluting buffer and concentration: 5% NFDM/TBST.
The expression level of PAEP is induced in TPA treated K-562 cell (PMID:8025274).

Exposure Time: 3 mins.

All lanes:
Western blot - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454) at 1/1000 dilution

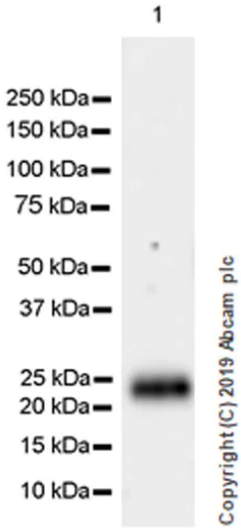
Lane 1:
Untreated K-562 (human chronic myelogenous leukemia lymphoblast) whole cell lysate 20 µg

Lane 2:
K-562 treated with 2 ng/ml PMA(TPA) for 2 days whole cell lysate 20 µg

Secondary

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

Predicted band size: 21 kDa




## Western blot - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454)

Blocking/Diluting buffer and concentration: 5% NFDM/TBST.
Exposure Time: 26 secs.

All lanes:
Western blot - Anti-PAEP/Glycodelin antibody [EPR23251-87] (ab270454) at 1/1000 dilution

All lanes:
Human placenta tissue lysate at 20 µg

Secondary

All lanes:
Western blot - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/1000 dilution

Predicted band size: 21 kDa

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