

Product datasheet

Anti-CD39 antibody [EPR3678(2)] ab108248

Recombinant **RabMAb**

[6 References](#) [4 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-CD39 antibody [EPR3678(2)] |
| Description | Rabbit monoclonal [EPR3678(2)] to CD39 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC, IHC-P or IP |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide within Human CD39 aa 350-450. The exact sequence is proprietary. |
| Positive control | WB: Human placenta, rat hippocampus, rat pancreas, mouse placenta and mouse urinary bladder tissue lysates; IM-9 and HUVEC cell lysates. |
| General notes | <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <p>This product is a recombinant rabbit monoclonal antibody.</p> |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C. |
| Storage buffer | pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR3678(2) |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab108248** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/1000 - 1/10000. Predicted molecular weight: 58 kDa. Can be blocked with Human CD39 peptide (ab228815) . |

Application notes Is unsuitable for Flow Cyt, ICC, IHC-P or IP.

Target

Function In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation. Hydrolyzes ATP and ADP equally well.

Tissue specificity Expressed primarily on activated lymphoid cells. Also expressed in endothelial tissues. The vascular isoform and the placental isoform II are present in both placenta and umbilical vein, whereas placental isoform I is present in placenta only.

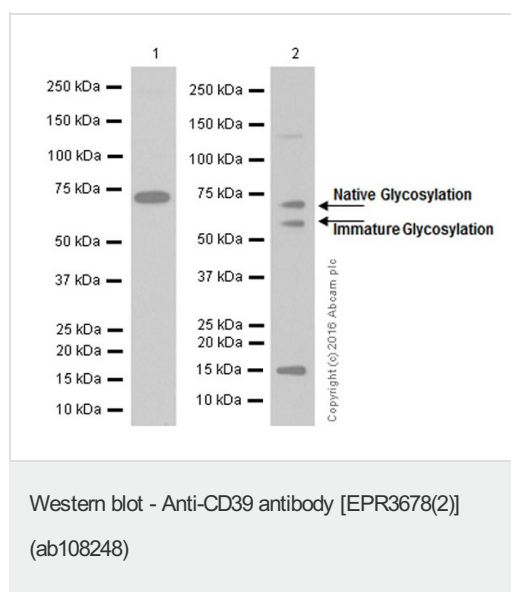
Sequence similarities Belongs to the GDA1/CD39 NTPase family.

Post-translational modifications The N-terminus is blocked.
Palmitoylated in the N-terminal part.

Cellular localization Membrane.

Form There are 3 isoforms produced by alternative splicing.

Images



All lanes : Anti-CD39 antibody [EPR3678(2)] (ab108248) at 1/1000 dilution (purified)

Lane 1 : Rat hippocampus

Lane 2 : Rat pancreas

Lysates/proteins at 20 µg per lane.

Secondary

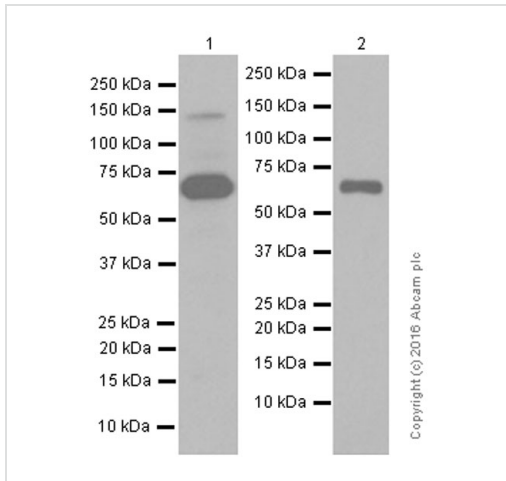
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 58 kDa

Observed band size: 70,74 kDa

[why is the actual band size different from the predicted?](#)

Blocking and diluting buffer and concentration 5% NFDm/TBST.



Western blot - Anti-CD39 antibody [EPR3678(2)] (ab108248)

All lanes : Anti-CD39 antibody [EPR3678(2)] (ab108248) at 1/1000 dilution (purified)

Lane 1 : Mouse placenta

Lane 2 : Mouse urinary bladder

Lysates/proteins at 20 µg per lane.

Secondary

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

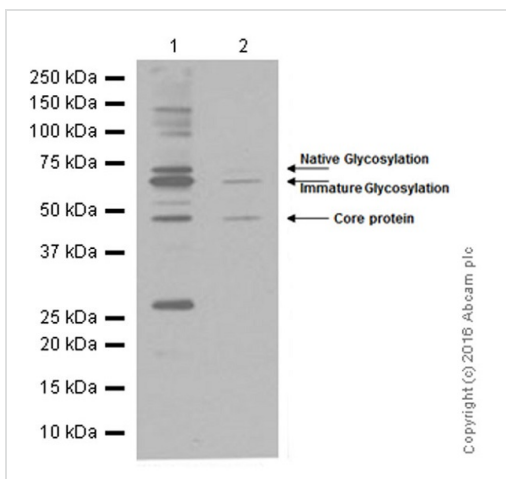
Predicted band size: 58 kDa

Observed band size: 70 kDa [why is the actual band size different from the predicted?](#)

Exposure time: 15 seconds

Blocking and diluting buffer and concentration 5% NFDm/TBST.

The PKC beta 2 recombinant protein is GST-tagged, so the molecular weight is higher.



Western blot - Anti-CD39 antibody [EPR3678(2)] (ab108248)

Lane 1 : Anti-CD39 antibody [EPR3678(2)] (ab108248) at 1/100 dilution (purified)

Lane 2 : Anti-CD39 antibody [EPR3678(2)] (ab108248) at 1/1000 dilution (purified)

All lanes : HUVEC whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

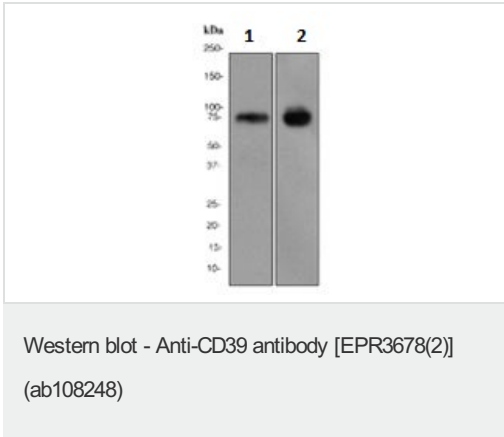
Predicted band size: 58 kDa

Observed band size: 70,74 kDa [why is the actual band size different from the predicted?](#)

Exposure time: 3 minutes

Blocking and diluting buffer and concentration 5% NFDM/TBST.

Ref: PMID: 18693757



All lanes : Anti-CD39 antibody [EPR3678(2)] (ab108248) at 1/1000 dilution (unpurified)

Lane 1 : Human placenta lysate

Lane 2 : IM-9 cell lysate

Predicted band size: 58 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors