

Anti-GPR56 antibody [EPR23908-115] - BSA and Azide free ab274429

Recombinant RabMAb

3 Images

Overview

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Anti-GPR56 antibody [EPR23908-115] - BSA and Azide free |
| Description | Rabbit monoclonal [EPR23908-115] to GPR56 - BSA and Azide free |
| Host species | Rabbit |
| Tested applications | Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | WB: Human brain, hippocampus and glioma tissue lysates. |
| General notes | <p>This antibody ab274429 [EPR23908-115] is a different clone to ab274428 [EPR23908-109]. ab274429 is the carrier-free version of ab274419.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit</p> |

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

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|-----------------------------|-----------------------------------------------|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| Storage buffer | pH: 7.2 Constituent: PBS |
| Carrier free | Yes |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR23908-115 |
| Isotype | IgG |

Applications

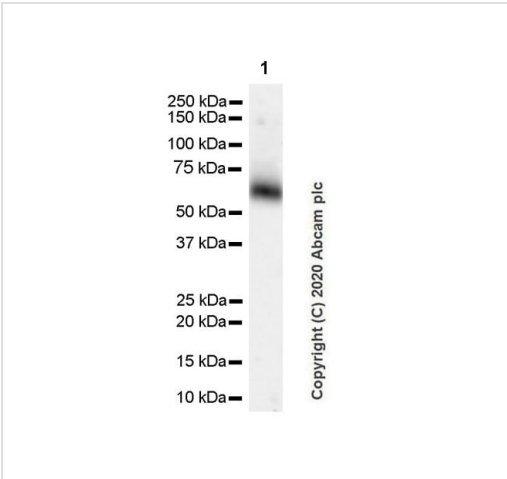
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab274429 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
| WB | | Use at an assay dependent concentration. Detects a band of approximately 65 kDa (predicted molecular weight: 78 kDa). |

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

Target

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|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Function | Could be involved in cell-cell interactions. |
| Tissue specificity | Widely distributed with highest levels found in thyroid gland, brain and heart. Expressed in a great number of tumor cells. |
| Involvement in disease | Polymicrogyria, bilateral frontoparietal (BFPP) [MIM:606854]: A malformation of the cortex in which the brain surface is irregular and characterized by an excessive number of small gyri with abnormal lamination, most severe in the frontoparietal regions. BFPP clinical manifestations include developmental and psychomotor delay, cerebellar and pyramidal signs, truncal ataxia, seizures, hyperreflexia. Polymicrogyria is a heterogeneous disorder, considered to be the result of postmigratory abnormal cortical organization. Note=The disease is caused by mutations affecting the gene represented in this entry. |
| Sequence similarities | Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 1 GPS domain. |
| Post-translational modifications | The endogenous protein is proteolytically cleaved into 2 subunits, an extracellular subunit and a seven-transmembrane subunit. |
| Cellular localization | Cell membrane. |



Western blot - Anti-GPR56 antibody [EPR23908-115] - BSA and Azide free (ab274429)

Anti-GPR56 antibody [EPR23908-115] ([ab274419](#)) at 1/1000 dilution + Human glioma tissue lysate at 10 µg

Secondary

VeriBlot for IP secondary antibody(HRP)([ab131366](#)) at 1/1000 dilution

Predicted band size: 78 kDa
Observed band size: 65 kDa

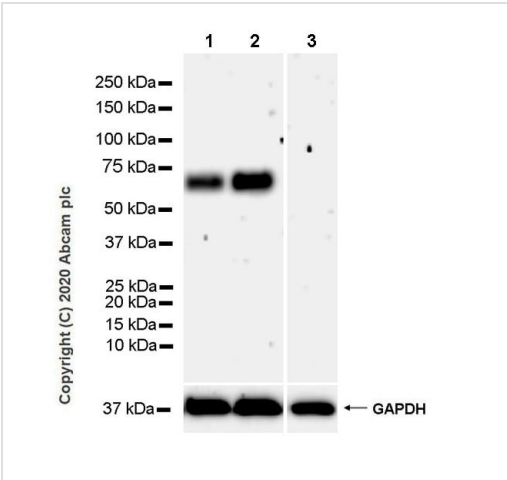
This data was developed using [ab274419](#), the same antibody clone in a different buffer formulation.

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

The molecular weight observed is consistent with what has been described in the literature (PMID: 17932623).

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 70 seconds.



Western blot - Anti-GPR56 antibody [EPR23908-115] - BSA and Azide free (ab274429)

All lanes : Anti-GPR56 antibody [EPR23908-115] ([ab274419](#)) at 1/1000 dilution

- Lane 1 :** Human brain tissue lysate
- Lane 2 :** Human hippocampus tissue lysate
- Lane 3 :** Human lung tissue lysate

Lysates/proteins at 40 µg per lane.

Secondary

All lanes : VeriBlot for IP secondary antibody(HRP)([ab131366](#)) at 1/1000 dilution

Predicted band size: 78 kDa
Observed band size: 65 kDa

This data was developed using [ab274419](#), the same antibody clone in a different buffer formulation.

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

The molecular weight observed is consistent with what has been described in the literature (PMID: 17932623).

Negative control: Human lung (PMID: 15674329)

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: 3 minutes.

Why choose a recombinant antibody?

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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