

Product datasheet

Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody [EPR12270] ab172480

Recombinant RabMAb

2 Images

Overview

Product name	Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody [EPR12270]
Description	Rabbit monoclonal [EPR12270] to Guanylyl Cyclase alpha 1/GUCY1A3
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Recombinant fragment within Human Guanylyl Cyclase alpha 1/GUCY1A3. The exact sequence is proprietary. Database link: Q02108
Positive control	Human fetal kidney and fetal lung tissue lysate.
General notes	This product was previously labelled as Guanylyl Cyclase alpha 1

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 production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12270
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab172480** in the following tested applications.

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

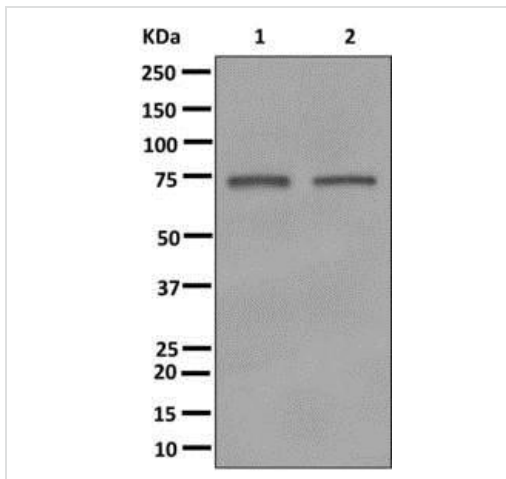
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 77 kDa.

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

Target

Sequence similarities	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 1 guanylate cyclase domain.
Cellular localization	Cytoplasm.

Images



Western blot - Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody [EPR12270] (ab172480)

All lanes : Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody [EPR12270] (ab172480) at 1/1000 dilution





Lane 1 : Human fetal kidney tissue lysate

Lane 2 : Human fetal lung tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 77 kDa

Why choose a recombinant antibody?

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

Anti-Guanylyl Cyclase alpha 1/GUCY1A3 antibody [EPR12270] (ab172480)

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

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