

Product datasheet

Anti-MGT4A antibody [EPR10034] - BSA and Azide free ab249062

Recombinant RabMAb

9 Images

Overview

Product name	Anti-MGT4A antibody [EPR10034] - BSA and Azide free
Description	Rabbit monoclonal [EPR10034] to MGT4A - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, ICC, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human MGAT4A aa 150-250. The exact sequence is proprietary.
General notes	Ab249062 is the carrier-free version of ab151750 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

ab249062 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR10034
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab249062** 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. Predicted molecular weight: 62 kDa.
ICC		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core
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mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAc β 1-4 branch on the GlcNAc β 1-2Man α 1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains. Involved in glucose transport by mediating SLC2A2/GLUT2 glycosylation, thereby controlling cell-surface expression of SLC2A2 in pancreatic beta cells.

Tissue specificity

Expressed in pancreas, spleen, thymus, prostate, small intestine, peripheral blood leukocytes and lymph node. Strongly overexpressed in choriocarcinoma cancer cell lines. Down-regulated in pancreatic cancer.

Pathway

Protein modification; protein glycosylation.

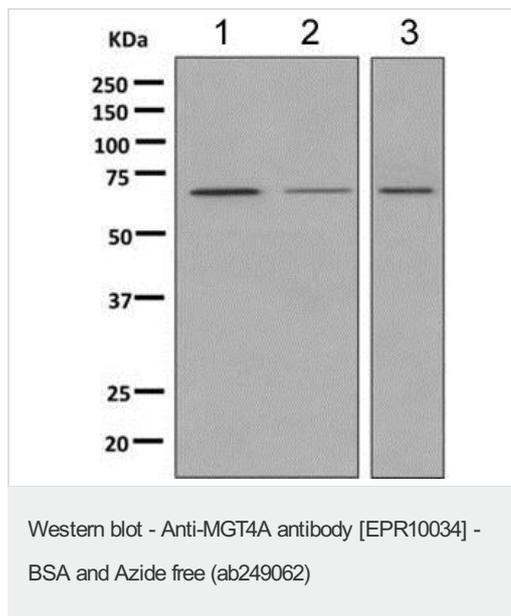
Sequence similarities

Belongs to the glycosyltransferase 54 family.

Cellular localization

Secreted and Golgi apparatus membrane.

Images



All lanes : Anti-MGT4A antibody [EPR10034] ([ab151750](#)) at 1/1000 dilution

Lane 1 : Human fetal heart lysate

Lane 2 : Human fetal kidney lysate

Lane 3 : HeLa lysate

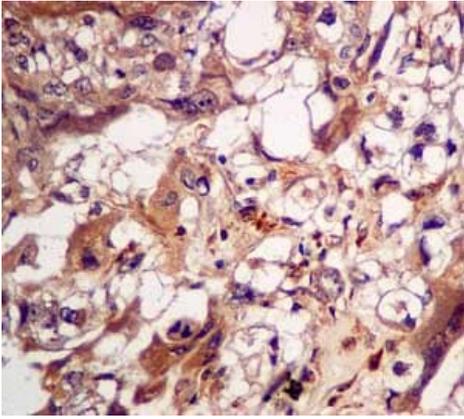
Lysates/proteins at 10 μ g per lane.

Secondary

All lanes : Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 62 kDa

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

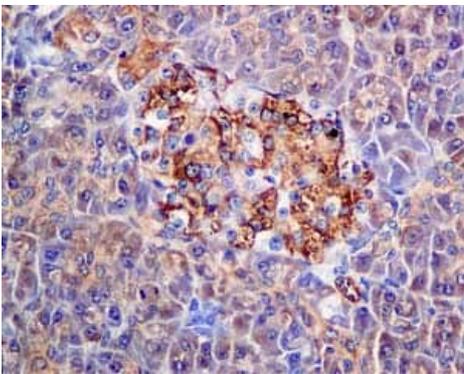


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human choriocarcinoma tissue labeling MGAT4A with [ab151750](#) at 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

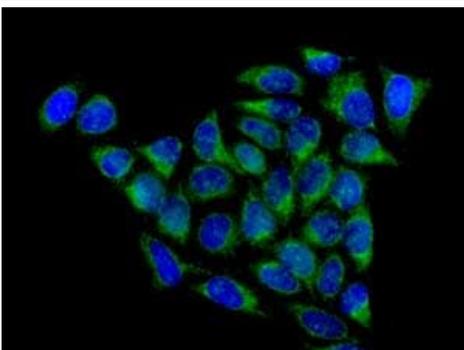


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling MGAT4A with [ab151750](#) at 1/50 dilution.

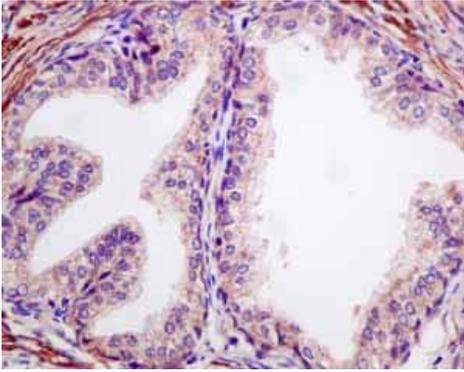
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunofluorescent analysis of HeLa cells labeling MGAT4A with [ab151750](#) at 1/250 dilution.

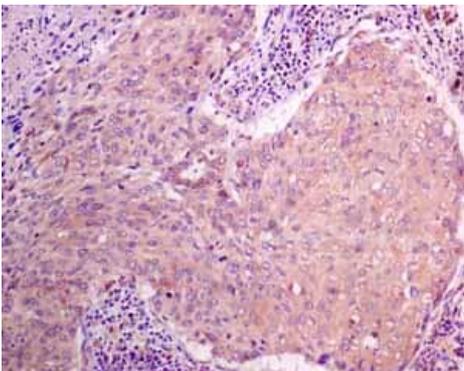


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin embedded Human Prostate hyperplasia tissue using [ab151750](#) showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

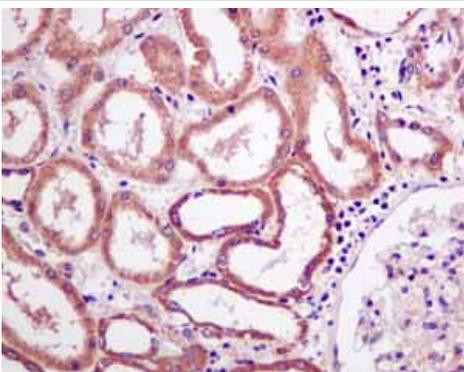


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin embedded Human Lung carcinoma tissue using [ab151750](#) showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

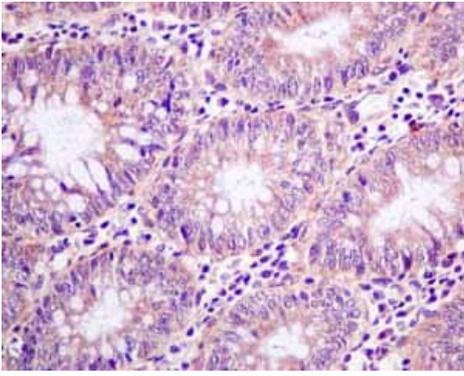


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin embedded normal Human kidney tissue using [ab151750](#) showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

This data was developed using [ab151750](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin embedded normal Human colon tissue using [ab151750](#) showing +ve staining.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <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>

Anti-MGT4A antibody [EPR10034] - BSA and Azide free (ab249062)

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

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- Extensive multi-media technical resources to help you
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