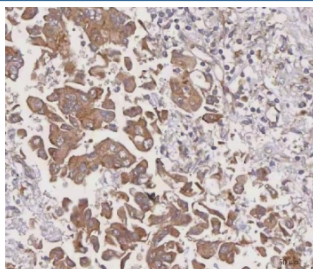


## MGAT3 Antibody (RQ8376)

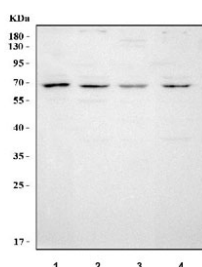
Catalog No.	Formulation	Size
RQ8376	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q09327
<b>Localization</b>	Cytoplasm (Golgi)
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This MGAT3 antibody is available for research use only.



IHC staining of FFPE human liver cancer tissue with MGAT3 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) Caco-2, 2) K562, 3) U-2 OS and 4) Jurkat cell lysate with MGAT3 antibody. Predicted molecular weight ~61 kDa.

## Description

Beta-1,4-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase is an enzyme that in humans is encoded by the MGAT3 gene. There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. The enzyme encoded by this gene transfers a GlcNAc residue to the beta-linked mannose of the trimannosyl core of N-linked oligosaccharides and produces a bisecting GlcNAc. Multiple alternatively spliced variants, encoding the same protein, have been identified.

## Application Notes

Optimal dilution of the MGAT3 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (D68-N437) was used as the immunogen for the MGAT3 antibody.

## Storage

After reconstitution, the MGAT3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.