

## Product datasheet for **TA364329**

### MGAT5 Rabbit Polyclonal Antibody

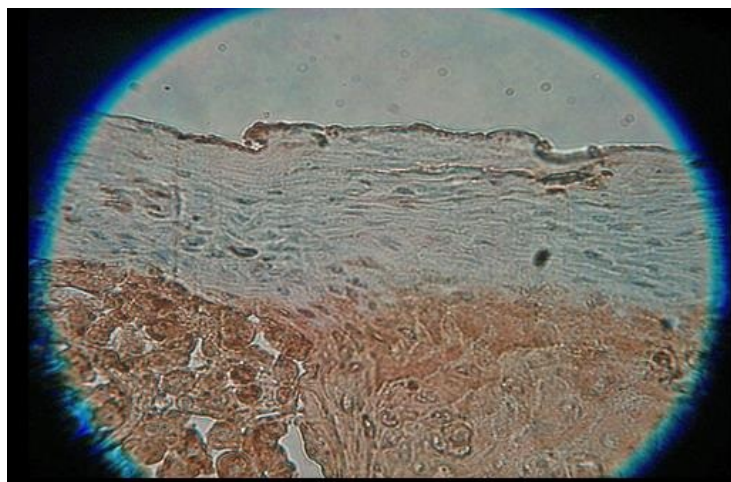
#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against GnT-V. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Gene Name:	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase
Database Link:	<a href="#">Entrez Gene 4249 Human Q09328</a>
Background:	GnT-V is a reported alias name for the human gene MGAT5, or 'alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase'. The 741-amino acid protein is a member of the Glycosyltransferase 18 family. It catalyzes the addition of beta-1,6-N-acetylglucosamine to the alpha-linked mannose of biantennary N-linked oligosaccharides present on the newly synthesized glycoproteins. It is one of the most important enzymes involved in the regulation of the biosynthesis of glycoprotein oligosaccharides. Alterations of the oligosaccharides on cell surface glycoproteins cause significant changes in the adhesive or migratory behavior of a cell. Increase in the activity of this enzyme has been correlated with the progression of invasive malignancies. This antibody was generated by immunization of rabbits with GnT-V coupled to a carrier protein.
Synonyms:	GGNT5; GNT-V; GNT-VA; OTTHUMP00000162459



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**Product images:**



Tissues used: Human skin melanoma  
 Dilution: 1:1000  
 Incubation time: 3 hours at 37°C  
 Pre-treatment: 0.01M Citrate buffer pH 6.0  
 Secondary antibody: poly-HRP