



## Mouse anti-Human B3GAT3 monoclonal antibody, clone 2D22 (CABT-B9827)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Immunogen</b>	B3GAT3 (NP_036332, 236 a.a. ~ 336 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2D22
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	VVGFTAWEPSRPFPVDMAGFAVALPLLLDKPNAQFDSTAPRGHLESSLLSHLVDPKDLE PRAANCTRVLVWHTRTEKPKMKQEEQLQRQGRGSDPAIEV*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### BACKGROUND

<b>Introduction</b>	The protein encoded by this gene is a member of the glucuronyltransferase gene family, enzymes that exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and
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their anomeric linkages. This gene product catalyzes the formation of the glycosaminoglycan-protein linkage by way of a glucuronyl transfer reaction in the final step of the biosynthesis of the linkage region of proteoglycans. A pseudogene of this gene has been identified on chromosome 3. [provided by RefSeq, Dec 2013]

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<b>Keywords</b>	B3GAT3; beta-1,3-glucuronyltransferase 3; GLCAT1; glcUAT-I; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3; Sqv-8-like protein; UDP-GlcUA:Gal beta-1,3-Gal-R glucuronyltransferase; beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I);
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## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">26229</a>
<b>UniProt ID</b>	<a href="#">O94766</a>
<b>Pathway</b>	Glycosaminoglycan biosynthesis - chondroitin sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - chondroitin sulfate, conserved biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Metabolic pathways, organism-specific biosystem
<b>Function</b>	galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase activity; manganese ion binding; metal ion binding; transferase activity

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