



# Mouse anti-Human GALC monoclonal antibody, clone 3E2 (CABT-B10301)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	GALC (AAH36518, 27 a.a. ~ 670 a.a) full-length 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>	3E2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA
<b>Sequence Similarities</b>	YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILKVEI GGDGQTTDGTPEPSHMHYALDGNFYFRGYEWWLMKEAKKRNPNTLIGLPWSFPGWLKGKFD WPYVNLQLTAYYVVTWIVGAKRYHDLIDYIGIWNERSYNANYIKILRKMLNYQGLQRVK IIASDNLWESISASMLLDAELFKVVDVIGAHYPGTHSAKDAKLTGKKLWSSSEDFSTLNSD MGAGCWGRILNQNYI
<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>	This gene encodes a lysosomal protein which hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Mutations in this gene have been associated with Krabbe disease, also known as globoid cell leukodystrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	GALC; galactosylceramidase; galactocerebrosidase; GALCERase; galactosylceraminidase; galactocerebroside beta-galactosidase; galactosylceramide beta-galactosidase;

## GENE INFORMATION

<b>Entrez Gene ID</b>	<a href="#">2581</a>
<b>UniProt ID</b>	<a href="#">P54803</a>
<b>Pathway</b>	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem
<b>Function</b>	cation binding; galactosylceramidase activity; hydrolase activity, acting on glycosyl bonds