



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

Immunogen	GALC (AAH36518, 27 a.a. ~ 670 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3E2
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILKVEI GGDGQTTDGTEPSHMHYALDGNYFRGYEWWLMKEAKKRNPNTLIGLPWSFPGLKGFD WPYVNLQLTAYYVVTWIVGAKRYHDLIDYIGIWNERSYNANYIKILRKMLNYQGLQRVK IIASDNLWESISASMLLDAELFKVVDVIGAHYPGTHSAKDAKLTGKKLWSSEDFSTLNSD MGAGCWGRILNQNYI
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction 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]

Keywords GALC; galactosylceramidase; galactocerebrosidase; GALCERase; galactosylceraminidase; galactocerebroside beta-galactosidase; galactosylceramide beta-galactosidase;

GENE INFORMATION

Entrez Gene ID	2581
UniProt ID	P54803
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem
Function	cation binding; galactosylceramidase activity; hydrolase activity, acting on glycosyl bonds