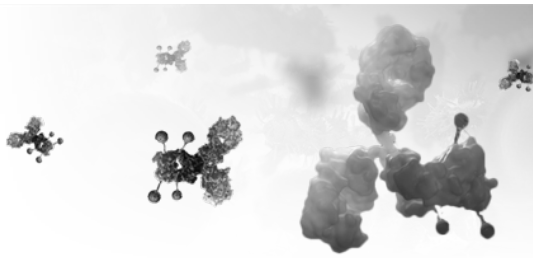

Mouse anti-Human GYG2 monoclonal antibody, clone 4E21 (CABT-B10379)

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

PRODUCT INFORMATION

Immunogen	GYG2 (NP_003909, 392 a.a. ~ 502 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	4E21
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	CDPLSQPSPQPADFTETETILQPANKVESVSSEETFEPSQELPAEALRDPSLQDALEVDL AVSVSQISIEEKVKELSPEEERRKWEEGRIDYMGKDAFARIQEKLDRFLQ*
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 member of the the glycogenin family. Glycogenin is a self-glucosylating protein involved in the initiation reactions of glycogen biosynthesis. A gene on chromosome 3

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	encodes the muscle glycogenin and this X-linked gene encodes the glycogenin mainly present in liver; both are involved in blood glucose homeostasis. This gene has a short version on chromosome Y, which is 3 truncated and can not make a functional protein. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, May 2010]
Keywords	GYG2; glycogenin 2; GN2; GN-2; glycogenin-2; glycogenin glucosyltransferase;

GENE INFORMATION

Entrez Gene ID	8908
UniProt ID	O15488
Pathway	Glucose metabolism, organism-specific biosystem; Glycogen Metabolism, organism-specific biosystem; Glycogen breakdown (glycogenolysis), organism-specific biosystem; Glycogen synthesis, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; glycogen biosynthesis II (from UDP-D-Glucose), conserved biosystem
Function	glycogenin glucosyltransferase activity; transferase activity, transferring glycosyl groups

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