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GYG2 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant GYG2.
Catalog # AT2304a

Product Information

Application	WB
Primary Accession	O15488
Other Accession	NM_003918
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D10
Calculated MW	55184

Additional Information

Gene ID	8908
Other Names	Glycogenin-2, GN-2, GN2, GYG2
Target/Specificity	GYG2 (NP_003909, 392 a.a. ~ 501 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GYG2 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

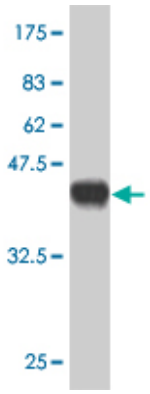
This gene encodes a member of the the glycogenin family. Glycogenin is a self-glucosylating protein involved in the initiation reactions of glycogen biosynthesis. A gene on chromosome 3 encodes the muscle glycogenin and this X-linked gene encodes the glycogenin mainly present in liver; both are involved 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.

References

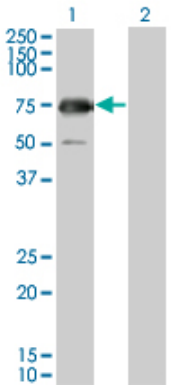
1.LC-MS/MS characterization of combined glycogenin-1 and glycogenin-2 enzymatic activities reveals their

self-glucosylation preferences.Nilsson J, Halim A, Larsson E, Moslemi AR, Oldfors A, Larson G, Nilsson JBiochim Biophys Acta. 2013 Nov 14;1844(2):398-405. doi: 10.1016/j.bbapap.2013.11.002.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Western Blot analysis of GYG2 expression in transfected 293T cell line by GYG2 monoclonal antibody (M04), clone 3D10.

Lane 1: GYG2 transfected lysate(55.212 KDa).
Lane 2: Non-transfected lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.