

**GYG2 Antibody (monoclonal) (M04)****Mouse monoclonal antibody raised against a partial recombinant GYG2.****Catalog # AT2304a****Specification**

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**GYG2 Antibody (monoclonal) (M04) - Product Information**

Application	WB
Primary Accession	<a href="#">O15488</a>
Other Accession	<a href="#">NM_003918</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	55184

**GYG2 Antibody (monoclonal) (M04) - 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.

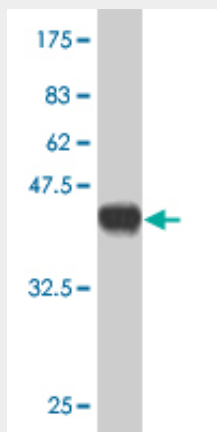
**GYG2 Antibody (monoclonal) (M04) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

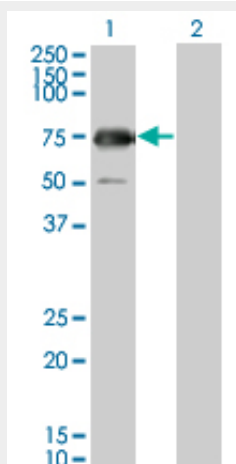
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### GYG2 Antibody (monoclonal) (M04) - 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.

#### GYG2 Antibody (monoclonal) (M04) - Background

This gene encodes a member of 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.

#### GYG2 Antibody (monoclonal) (M04) - 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 J *Biochim Biophys Acta*. 2013 Nov 14;1844(2):398-405. doi: 10.1016/j.bbapap.2013.11.002.