

GYG1 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22264b

Specification

GYG1 Antibody (C-Term) - Product Information

Application	WB, FC,E
Primary Accession	P46976
Other Accession	O9R062 , O08730
Reactivity	Human, Mouse, Rat
Predicted	Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	39384

GYG1 Antibody (C-Term) - Additional Information

Gene ID 2992

Other Names

Glycogenin-1, GN-1, GN1, 2.4.1.186, YG1, YG

Target/Specificity

This YG1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 314-347 amino acids from human YG1.

Dilution

WB~~1:2000

FC~~1:25

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

YG1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

GYG1 Antibody (C-Term) - Protein Information

Name YG1 ([HGNC:4699](#))

Function Glycogenin participates in the glycogen biosynthetic process along with glycogen

synthase and glycogen branching enzyme. It self- glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase.

Tissue Location

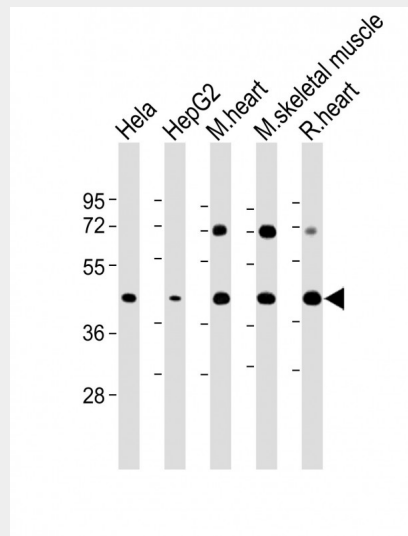
Highly expressed in skeletal muscle and heart, with lower levels in brain, lung, kidney and pancreas

GYG1 Antibody (C-Term) - Protocols

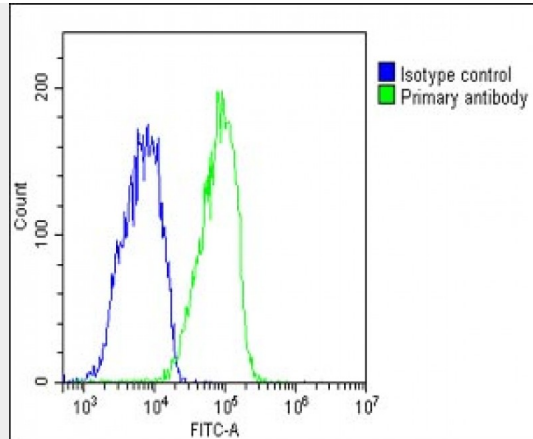
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GYG1 Antibody (C-Term) - Images



All lanes : Anti-GYG1 Antibody (C-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: Mouse heart lysate Lane 4: Mouse skeletal muscle lysate Lane 5: Rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing HepG2 cells stained with AP22264b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22264b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

GYG1 Antibody (C-Term) - Background

Self-glucosylates, via an inter-subunit mechanism, to form an oligosaccharide primer that serves as substrate for glycogen synthase.

GYG1 Antibody (C-Term) - References

- Barbetti F., et al. *Biochem. Biophys. Res. Commun.* 220:72-77(1996).
- Lomako J., et al. *Genomics* 33:519-522(1996).
- Leffers H., et al. Submitted (JUN-1994) to the EMBL/GenBank/DDBJ databases.
- van Maanen M.-H., et al. *Gene* 234:217-226(1999).
- Zhai L., et al. *Gene* 242:229-235(2000).