

GYG1 / Glycogenin Antibody (clone 3B5)
Mouse Monoclonal Antibody
Catalog # ALS13325**Specification**

GYG1 / Glycogenin Antibody (clone 3B5) - Product Information

Application	WB, IHC
Primary Accession	P46976
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	39kDa KDa

GYG1 / Glycogenin Antibody (clone 3B5) - Additional Information**Gene ID** 2992**Other Names**

Glycogenin-1, GN-1, GN1, 2.4.1.186, GYG1, GYG

Reconstitution & Storage

Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions

GYG1 / Glycogenin Antibody (clone 3B5) is for research use only and not for use in diagnostic or therapeutic procedures.

GYG1 / Glycogenin Antibody (clone 3B5) - Protein Information**Name** GYG1 ([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

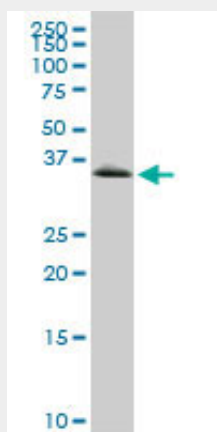
GYG1 / Glycogenin Antibody (clone 3B5) - Protocols

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

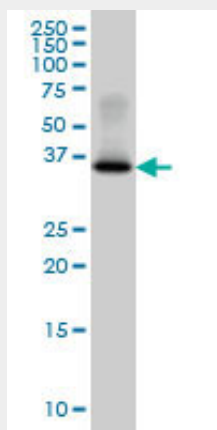
- [Western Blot](#)
- [Blocking Peptides](#)

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

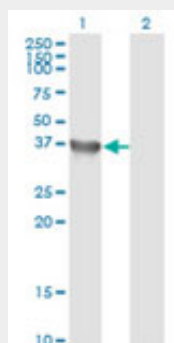
GYG1 / Glycogenin Antibody (clone 3B5) - Images



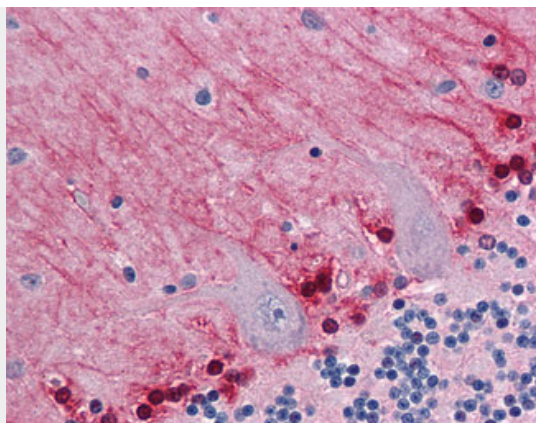
GYG1 monoclonal antibody, clone 3B5. Western blot of GYG1 expression in PC-12.



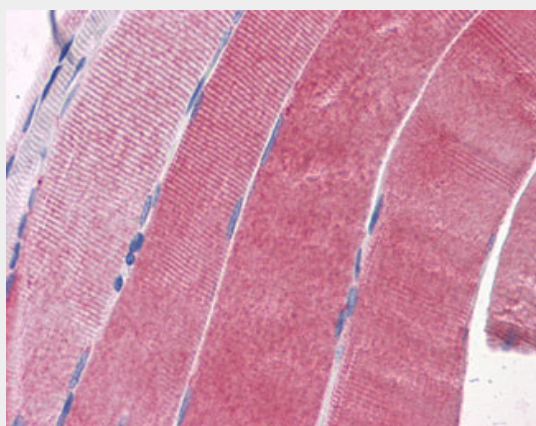
GYG1 monoclonal antibody, clone 3B5 Western blot of GYG1 expression in HepG2.



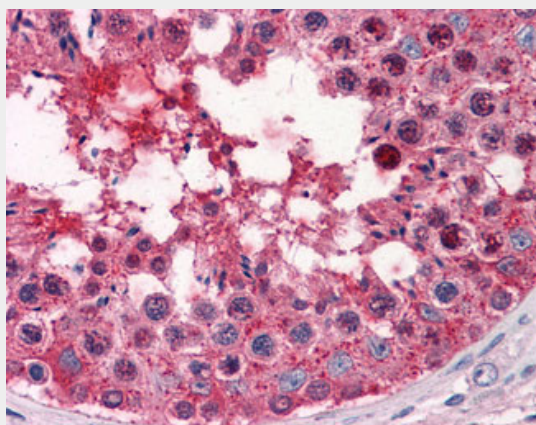
Western blot of GYG1 expression in transfected 293T cell line by GYG1 monoclonal antibody clone 3B5.



Anti-GYG1 / Glycogenin 1 antibody IHC of human brain, cerebellum.



Anti-GYG1 / Glycogenin 1 antibody IHC of human skeletal muscle.



Anti-GYG1 / Glycogenin 1 antibody IHC of human testis.

GYG1 / Glycogenin Antibody (clone 3B5) - Background

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

GYG1 / Glycogenin Antibody (clone 3B5) - 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).