

For Research Use Only

GYG1 Polyclonal antibody, PBS Only

Catalog Number: 12836-1-PBS



Basic Information

Catalog Number:

12836-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3583

GenBank Accession Number:

BC031096

GeneID (NCBI):

2992

UNIPROT ID:

P46976

Full Name:

glycogenin 1

Calculated MW:

350 aa, 39 kDa

Observed MW:

39 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

The GYG1 gene encodes glycogenin-1, a core protein in muscle glycogen particles. GYG1 is a glycosyltransferase that forms a short glucose polymer of approximately 10 glucose residues by autoglucosylation (PMID: 25272951). Cardiomyopathy and muscle weakness associated with muscle glycogen depletion can also be caused by impaired priming of glycogen synthesis due to inactivation of muscle glycogenin (glycogenin-1) (PMID: 20357282).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

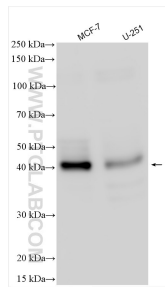
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

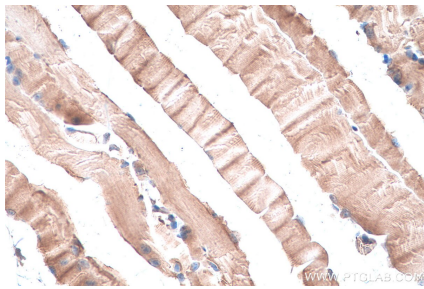
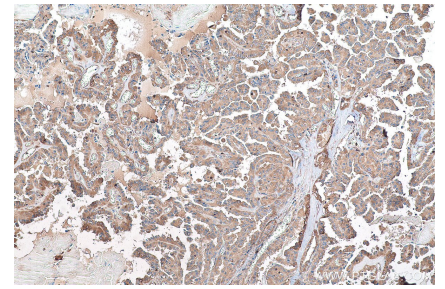
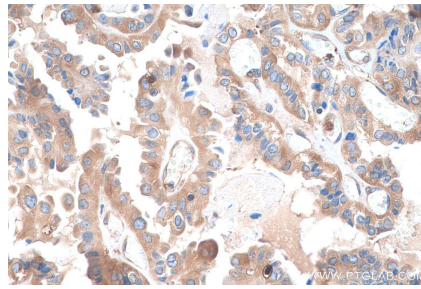
E: proteintech@ptglab.com
W: ptglab.com

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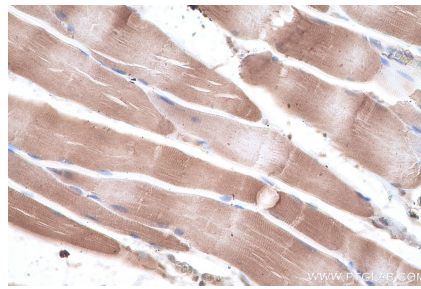
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12836-1-AP (GYG1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12836-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 12836-1-AP (GYG1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12836-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue slide using 12836-1-AP (GYG1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12836-1-PBS in a different storage buffer formulation.