

PYGM Antibody (clone 2C4)
Mouse Monoclonal Antibody
Catalog # ALS14508**Specification**

PYGM Antibody (clone 2C4) - Product Information

Application	WB, IHC
Primary Accession	P11217
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	97kDa KDa

PYGM Antibody (clone 2C4) - Additional Information**Gene ID** 5837**Other Names**

Glycogen phosphorylase, muscle form, 2.4.1.1, Myophosphorylase, PYGM

Target/Specificity

Human PYGM

Reconstitution & Storage

For long term, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

PYGM Antibody (clone 2C4) is for research use only and not for use in diagnostic or therapeutic procedures.

PYGM Antibody (clone 2C4) - Protein Information**Name** PYGM ([HGNC:9726](#))**Function**

Allosteric enzyme that catalyzes the rate-limiting step in glycogen catabolism, the phosphorolytic cleavage of glycogen to produce glucose-1-phosphate, and plays a central role in maintaining cellular and organismal glucose homeostasis.

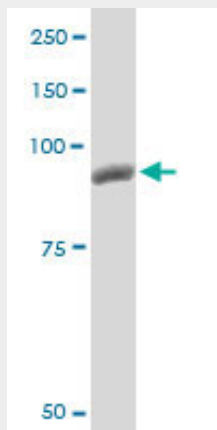
PYGM Antibody (clone 2C4) - Protocols

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

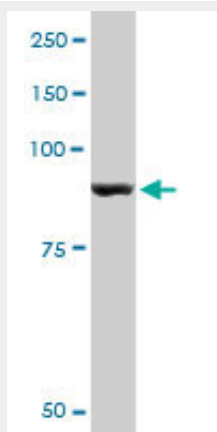
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

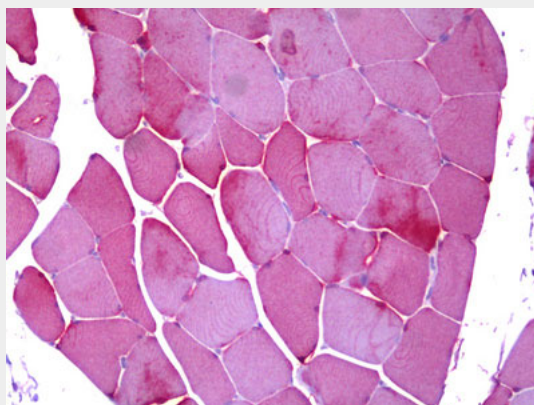
PYGM Antibody (clone 2C4) - Images



PYGM monoclonal antibody, clone 2C4. Western blot of PYGM expression in PC-12.



PYGM monoclonal antibody, clone 2C4. Western blot of PYGM expression in HepG2.



Anti-PYGM / Phosphorylase b antibody IHC of human skeletal muscle.

PYGM Antibody (clone 2C4) - Background

Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties.

PYGM Antibody (clone 2C4) - References

Burke J., et al. Proteins 2:177-187(1987).
Kubisch C., et al. Hum. Mutat. 12:27-32(1998).
Carty M.D., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Taylor T.D., et al. Nature 440:497-500(2006).