10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PYGM Antibody (Internal)

Rabbit Polyclonal Antibody

Catalog # ALS10537

Specification

PYGM Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P11217
Reactivity	**Human, Mouse, Rabbit, Monkey, Sheep, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**97kDa KDa**

PYGM Antibody (Internal) - Additional Information

Gene ID 5837

Other Names
Glycogen phosphorylase, muscle form, 2.4.1.1, Myophosphorylase, PYGM

Target/Specificity
Human PYGM / Phosphorylase b. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
PYGM Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PYGM Antibody (Internal) - 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.

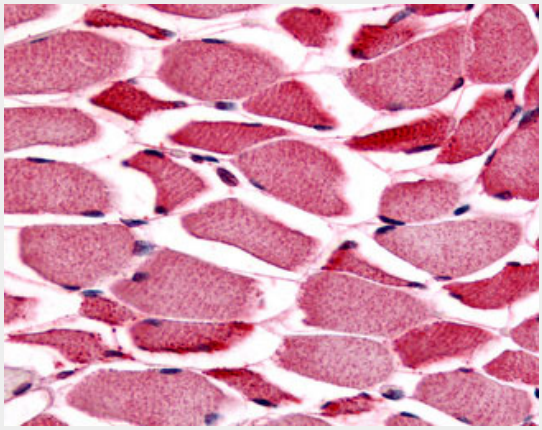
Volume
50 µl

PYGM Antibody (Internal) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PYGM Antibody (Internal) - Images



Anti-PYGM / Phosphorylase b antibody ALS10537 IHC of human skeletal muscle.

PYGM Antibody (Internal) - 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 (Internal) - 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).