

For Research Use Only

# Myocilin Monoclonal antibody, PBS Only



Catalog Number: 60357-1-PBS

## Basic Information

Catalog Number:

60357-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG5492

GenBank Accession Number:

BC029261

GeneID (NCBI):

4653

UNIPROT ID:

Q99972

Full Name:

myocilin, trabecular meshwork  
inducible glucocorticoid response

Calculated MW:

57 kDa

Observed MW:

50-57 kDa

Purification Method:

Protein A purification

CloneNo.:

4B1F6

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

human, mouse, pig, rat

## Background Information

Myocilin (MYOC), also known as TIGR or GLC1A, is a secreted glycoprotein of the olfactomedin family, originally identified in trabecular meshwork cells after prolonged treatment with glucocorticoids, and, independently, in the retina (PMID: 9176893; 9169133). It may participate in the obstruction of fluid outflow in the trabecular meshwork. Defects in MYOC are the cause of primary open angle glaucoma (POAG) (PMID: 21709622).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

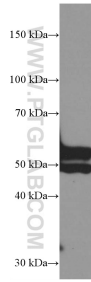
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

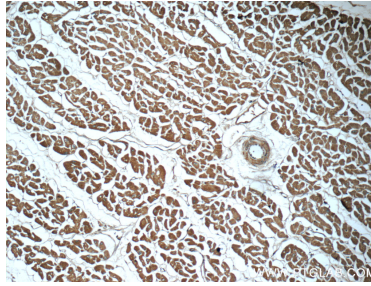
W: [ptgcn.com](http://ptgcn.com)

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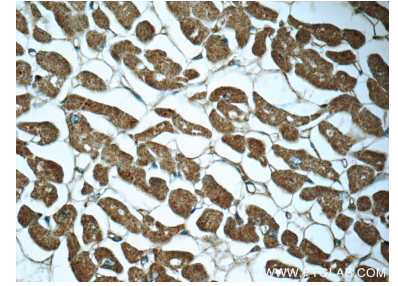
## Selected Validation Data



pig heart tissue were subjected to SDS PAGE followed by western blot with 60357-1-Ig (Myocilin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60357-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60357-1-Ig (Myocilin antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 60357-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60357-1-Ig (Myocilin antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 60357-1-PBS in a different storage buffer formulation.