

For Research Use Only

Myocilin Monoclonal antibody

Catalog Number: 60357-1-Ig **8 Publications**



Basic Information

Catalog Number:

60357-1-Ig

Size:

1100 µg/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

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, pig, rat

Cited Species:

human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: pig heart tissue, human skeletal muscle tissue, human spleen tissue, rat heart tissue

IHC: human heart tissue, human skeletal muscle tissue

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Susumu Hara	31060779	Biochem Biophys Res Commun	WB
Yourka D Tchoukalova	35073957	Stem Cell Res Ther	IHC
Dingwen Xu	36049555	Exp Eye Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

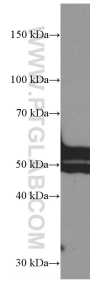
T: 4006900926

E: Proteintech-CN@ptglab.com

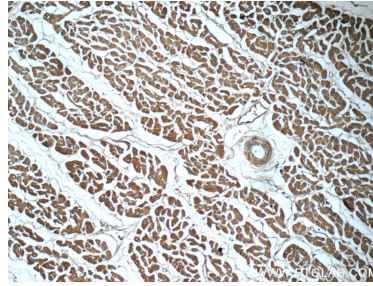
W: ptgcn.com

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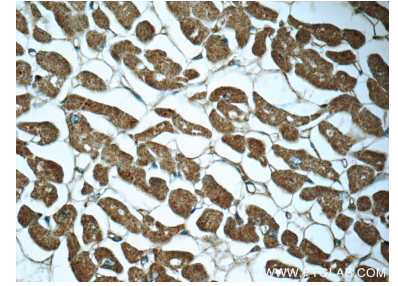
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60357-1-Ig (Myocilin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60357-1-Ig (Myocilin antibody) at dilution of 1:50 (under 40x lens).