

For Research Use Only

Myocilin Monoclonal antibody

Catalog Number: 60357-1-Ig **6 Publications**



Basic Information

Catalog Number: 60357-1-Ig	GenBank Accession Number: BC029261	Purification Method: Protein A purification
Size: 150ul , Concentration: 1100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4653	CloneNo.: 4B1F6
Source: Mouse	Full Name: myocilin, trabecular meshwork inducible glucocorticoid response	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG2a	Calculated MW: 57 kDa	
Immunogen Catalog Number: AG5492	Observed MW: 50-57 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

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 Tchoukalo	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

*** 20ul sizes contain 0.1% BSA

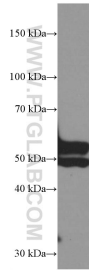
For technical support and original validation data for this product please contact:

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

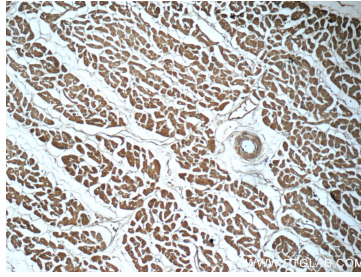
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W: ptglab.com

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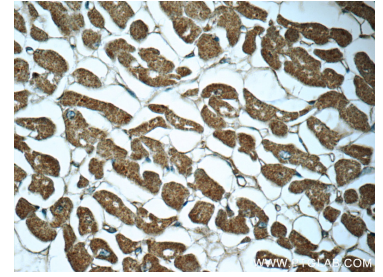
Selected Validation Data



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).