

For Research Use Only

Myocilin Monoclonal antibody

Catalog Number: 60357-1-Ig 9 Publications



Basic Information

Catalog Number: 60357-1-Ig	GenBank Accession Number: BC029261	Purification Method: Protein A purification
Size: 150ul , Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4653	CloneNo.: 4B1F6
Source: Mouse	UNIPROT ID: Q99972	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG2a	Full Name: myocilin, trabecular meshwork inducible glucocorticoid response	
Immunogen Catalog Number: AG5492	Calculated MW: 57 kDa	
	Observed MW: 50-57 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : pig heart tissue, human skeletal muscle tissue, human spleen tissue, rat heart tissue
Species Specificity: human, mouse, pig, rat	IHC : human heart tissue, human skeletal muscle tissue
Cited Species: human, mouse, rat	

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

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

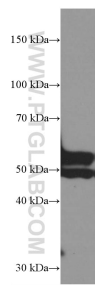
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

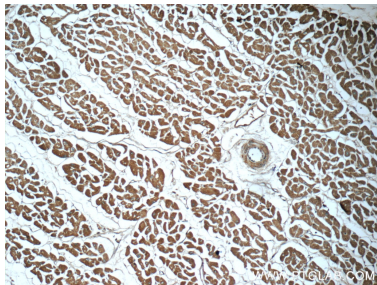
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

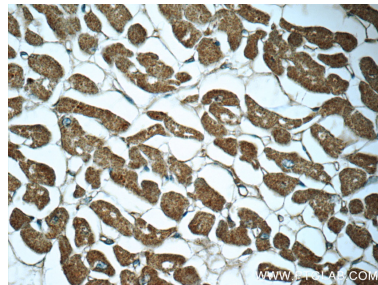
Selected Validation Data



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).