

For Research Use Only

Myocilin Polyclonal antibody

Catalog Number: 14238-1-AP

6 Publications



Basic Information

Catalog Number:

14238-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB: human heart tissue, human stomach tissue,
mouse skeletal muscle tissue

IP: mouse 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). MYOC has a molecular weight of 55-57 kDa, besides, a 66-kDa form, which could be a result of post-translational modifications, has also been reported in some researches (PMID: 9497363; 12150989).

Notable Publications

Author	Pubmed ID	Journal	Application
Miao Wei	36017046	Int J Ophthalmol	WB
Ziyu Zhou	33987224	Ann Transl Med	WB
Wen-Jian Liu	39841389	Discov Oncol	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:

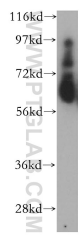
T: 4006900926

E: Proteintech-CN@ptglab.com

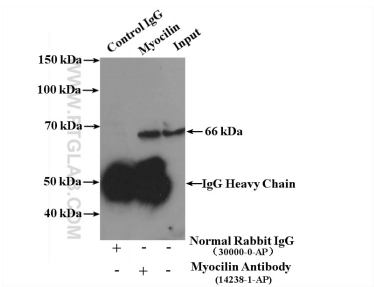
W: ptgcn.com

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Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 14238-1-AP (Myocilin antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-Myocilin (IP:14238-1-AP, 4ug; Detection:14238-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.