

Myocilin Polyclonal Antibody

Catalog number: 14238-1-AP

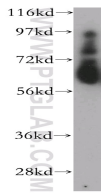
Size: 50 µg/150 µl

Source: Rabbit

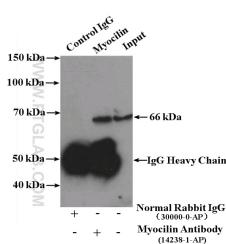
Isotype: IgG

Synonyms:

MYOC; GLC1A, GPOA, JOAG,
JOAG1, MYOC, Myocilin, TIGR



human heart tissue were subjected to SDS PAGE followed by western blot with 14238-1-AP (MYOC antibody) at dilution of 1:300



IP Result of anti-MYOC (IP:14238-1-AP, 4µg; Detection:14238-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000µg.

Background

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).

Applications

Tested applications:	ELISA, WB, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated Myocilin MW:	57 kDa
Observed Myocilin MW:	66 kDa
Positive WB detected in	Human heart tissue, human stomach tissue, mouse skeletal muscle tissue
Positive IP detected in	Mouse skeletal muscle tissue
Recommended dilution:	WB: 1:200-1:1000 IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5492
GenBank accession number:	BC029261
Gene ID (NCBI):	4653
Full name:	Myocilin, trabecular meshwork inducible glucocorticoid response

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.