

MYOC rabbit pAb**Cat#: orb773801 (Manual)**

For research use only. Not intended for diagnostic use.

Product Name	MYOC rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MYOC Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Myocilin (Trabecular meshwork-induced glucocorticoid response protein)
Gene Name	MYOC GLC1A TIGR
Cellular localization	Secreted . Golgi apparatus . Cytoplasmic vesicle . Secreted, extracellular space. Secreted, extracellular space, extracellular matrix . Secreted, extracellular exosome . Mitochondrion . Mitochondrion intermembrane space . Mitochondrion inner membrane . Mitochondrion outer membrane . Rough endoplasmic reticulum . Cell projection. Cell projection, cilium . Located preferentially in the ciliary rootlet and basal body of the connecting cilium of photoreceptor cells, and in the rough endoplasmic reticulum (PubMed:9169133). It is only imported to mitochondria in the trabecular meshwork (PubMed:17516541). Localizes to the Golgi apparatus in Schlemm's canal endothelial cells (PubMed:11053284). Appears in the extracellular space of trabecular meshwork cells by an unconventional

mechanism, likely as

Purification

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality

Polyclonal

Concentration

1 mg/ml

Observed band

55kD

Human Gene ID

4653

Human Swiss-Prot Number

Q99972

Alternative Names**Background**

MYOC encodes the protein myocilin, which is believed to have a role in cytoskeletal function. MYOC is expressed in many ocular tissues, including the trabecular meshwork, and was revealed to be the trabecular meshwork glucocorticoid-inducible response protein (TIGR). The trabecular meshwork is a specialized eye tissue essential in regulating intraocular pressure, and mutations in MYOC have been identified as the cause of hereditary juvenile-onset open-angle glaucoma. [provided by RefSeq, Jul 2008],