

APOOL / Apolipoprotein O-Like Antibody (aa219-268)
Rabbit Polyclonal Antibody
Catalog # ALS15907**Specification**

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Product Information

Application	WB
Primary Accession	Q6UXV4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29kDa KDa

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Additional Information**Gene ID** 139322**Other Names**

MICOS complex subunit MIC27, Apolipoprotein O-like, Protein FAM121A, APOOL, CXorf33, FAM121A, MIC27

Target/Specificity

APOOL Antibody detects endogenous levels of total APOOL protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

APOOL / Apolipoprotein O-Like Antibody (aa219-268) is for research use only and not for use in diagnostic or therapeutic procedures.

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Protein Information**Name** APOOL**Synonyms** CXorf33, FAM121A, MIC27**Function**

Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Specifically binds to cardiolipin (in vitro) but not to the precursor lipid phosphatidylglycerol. Plays a crucial role in crista junction formation and mitochondrial function (PubMed:23704930), (PubMed:25764979).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein. Mitochondrion

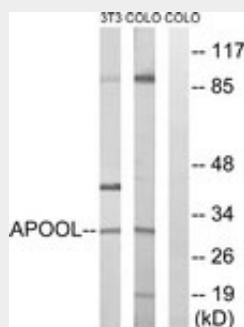
Volume
50 µl

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Images



Western blot of extracts from COLO/NIH-3T3 cells, using APOOL Antibody.

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - Background

Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Specifically binds to cardiolipin (in vitro) but not to the precursor lipid phosphatidylglycerol.

APOOL / Apolipoprotein O-Like Antibody (aa219-268) - References

Clark H.F., et al. *Genome Res.* 13:2265-2270(2003).
Ross M.T., et al. *Nature* 434:325-337(2005).
Burkard T.R., et al. *BMC Syst. Biol.* 5:17-17(2011).
Weber T.A., et al. *PLoS ONE* 8:E63683-E63683(2013).
Pfanner N., et al. *J. Cell Biol.* 204:1083-1086(2014).