10320 Camino Santa Fe, Suite G
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APOOL Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14187b

Specification

APOOL Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q6UXV4
Other Accession	NP_940852.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29159**
Antigen Region	**172-200**

APOOL Antibody (C-term) - Additional Information

Gene ID 139322

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

Target/Specificity
This APOOL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-200 amino acids from the C-terminal region of human APOOL.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
APOOL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

APOOL Antibody (C-term) - Protein Information

Name APOOL

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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).

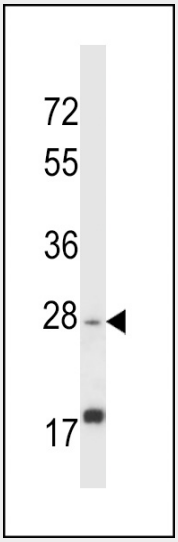
Cellular Location
Mitochondrion inner membrane; Multi-pass membrane protein. Mitochondrion

APOOL Antibody (C-term) - Protocols

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

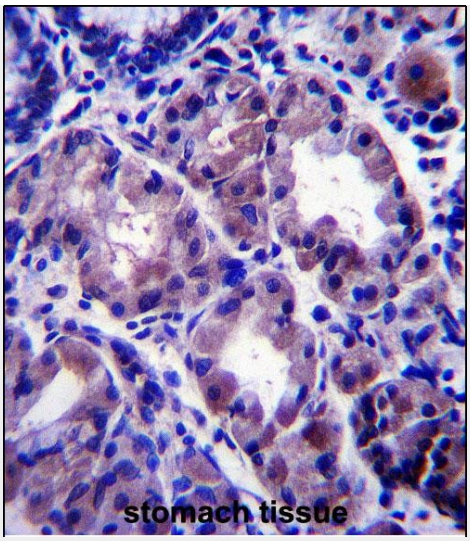
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

APOOL Antibody (C-term) - Images



APOOL Antibody (C-term) (Cat. #AP14187b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the APOOL antibody detected the APOOL protein (arrow).

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APOOL Antibody (C-term) (Cat. #AP14187b)immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of APOOL Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

APOOL Antibody (C-term) - Background

Belongs to the apolipoprotein O family.

APOOL Antibody (C-term) - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Ross, M.T., et al. Nature 434(7031):325-337(2005)
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)