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IMP2L Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9993a

Specification

IMP2L Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q96T52
Other Accession	Q8BPT6
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**19718**
Antigen Region	**81-109**

IMP2L Antibody (Center) - Additional Information

Gene ID 83943

Other Names
Mitochondrial inner membrane protease subunit 2, 3421-, IMP2-like protein, IMMP2L

Target/Specificity
This IMP2L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-109 amino acids from the Central region of human IMP2L.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~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
IMP2L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

IMP2L Antibody (Center) - Protein Information

Name IMMP2L

Function Catalyzes the removal of transit peptides required for the targeting of proteins from the mitochondrial matrix, across the inner membrane, into the inter-membrane space. Known to process the nuclear encoded protein DIABLO.

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein

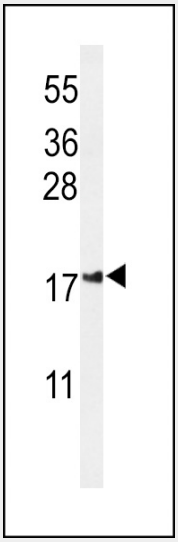
Tissue Location
Expressed in all tissues tested except adult liver and lung.

IMP2L Antibody (Center) - Protocols

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

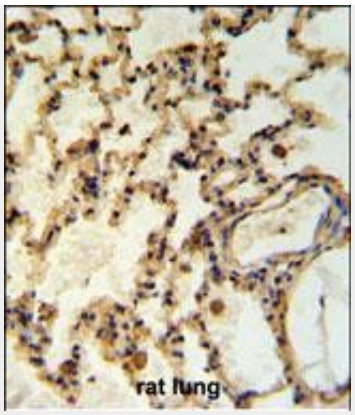
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IMP2L Antibody (Center) - Images

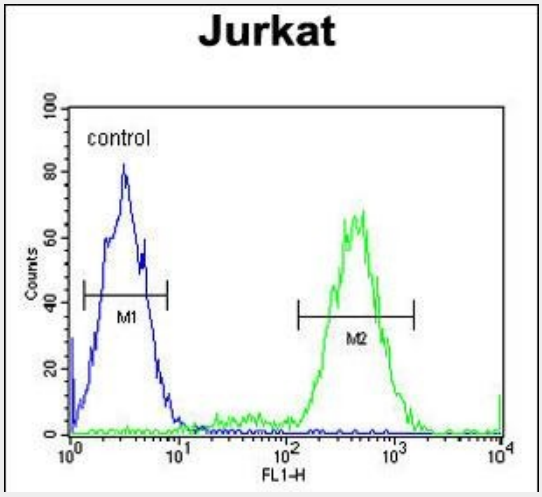


Western blot analysis of IMP2L Antibody (Center) (Cat. #AP9993a) in Jurkat cell line lysates (35ug/lane). IMP2L (arrow) was detected using the purified Pab.

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IMP2L Antibody (Center) (Cat. #AP9993a) IHC analysis in formalin fixed and paraffin embedded rat lung tisssue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IMP2L Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



IMP2L Antibody (Center) (Cat. #AP9993a) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IMP2L Antibody (Center) - Background

IMP2L complex generates mature, active proteins in the mitochondrial intermembrane space by proteolytically removing the mitochondrial targeting presequence of nuclear-encoded proteins. IMP1 (IMMP1L; MIM 612323) and IMP2 are the catalytic subunits of the IMP complex.

IMP2L Antibody (Center) - References

Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
de Krom, M., et al. Biol. Psychiatry 65(7):625-630(2009)