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PET112L Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17705A

Specification

PET112L Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O75879
Other Accession	NP_004555.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61864**
Antigen Region	**34-61**

PET112L Antibody (N-term) - Additional Information

Gene ID 5188

Other Names
Glutamyl-tRNA(Gln) amidotransferase subunit B, mitochondrial {ECO:0000255|HAMAP-Rule:MF_03147}, Glu-AdT subunit B {ECO:0000255|HAMAP-Rule:MF_03147}, 635- {ECO:0000255|HAMAP-Rule:MF_03147}, Cytochrome c oxidase assembly factor PET112 homolog, GATB

Target/Specificity
This PET112L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-61 amino acids from the N-terminal region of human PET112L.

Dilution
WB~~1:1000

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
PET112L Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PET112L Antibody (N-term) - Protein Information

Name GATB {ECO:0000255|HAMAP-Rule:MF_03147, ECO:0000312|HGNC:HGNC:8849}

Function Allows the formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln).

Cellular Location
Mitochondrion {ECO:0000255|HAMAP-Rule:MF_03147, ECO:0000269|PubMed:9878253}

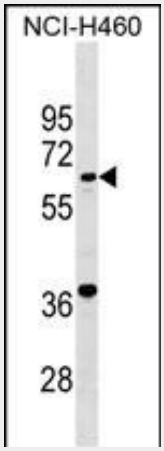
Tissue Location
Predominantly expressed in tissues characterized by high rates of oxidative phosphorylation (OxPhos), including muscle and heart.

PET112L Antibody (N-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

PET112L Antibody (N-term) - Images



PET112L Antibody (N-term) (Cat. #AP17705a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PET112L antibody detected the PET112L protein (arrow).

PET112L Antibody (N-term) - Background

PET112L furnishes a means for formation of correctly charged Gln-tRNA(Gln) through the transamidation of misacylated Glu-tRNA(Gln) in the mitochondria. The reaction takes place in the presence of glutamine and ATP through an activated gamma-phospho-Glu-tRNA(Gln) (Potential).

PET112L Antibody (N-term) - References

Nagao, A., et al. Proc. Natl. Acad. Sci. U.S.A. 106(38):16209-16214(2009)
Petruzzella, V., et al. Genomics 54(3):494-504(1998)