

MIPEP Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1459a

Specification

MIPEP Antibody (N-term) - Product Information

Application IHC-P, WB,E **Primary Accession** 099797 Reactivity Human **Rabbit** Host Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 80641 Antigen Region 180-209

MIPEP Antibody (N-term) - Additional Information

Gene ID 4285

Other Names

Mitochondrial intermediate peptidase, MIP, MIPEP, MIP

Target/Specificity

This MIPEP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-209 amino acids from the N-terminal region of human MIPEP.

Dilution

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

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

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

MIPEP Antibody (N-term) - Protein Information

Name MIPEP

Synonyms MIP



Function Cleaves proteins, imported into the mitochondrion, to their mature size.

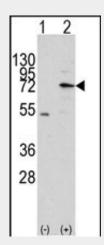
Cellular LocationMitochondrion matrix.

MIPEP Antibody (N-term) - Protocols

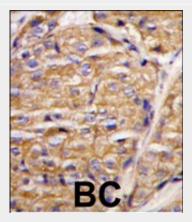
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MIPEP Antibody (N-term) - Images

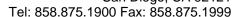


Western blot analysis of MIPEP (arrow) using rabbit polyclonal MIPEP Antibody (N-term) (Cat.#AP1459a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MIPEP gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MIPEP antibody (N-term) (Cat.#AP1459a), which was peroxidase-conjugated to the secondary antibody,







followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

MIPEP Antibody (N-term) - Background

MIPEP performs the final step in processing a specific class of nuclear-encoded proteins targeted to the mitochondrial matrix or inner membrane. This protein is primarily involved in the maturation of oxidative phosphorylation

(OXPHOS)-related proteins. This protein may contribute to the functional effects of frataxin deficiency and the clinical manifestations of Friedreich ataxia.

MIPEP Antibody (N-term) - References

Chew A., Genomics 40:493-496(1997).