

MIPEP Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1459c

Specification

MIPEP Antibody (Center) - Product Information

IHC-P, WB,E Application **Primary Accession** 099797 Reactivity Human **Rabbit** Host Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 80641 Antigen Region 307-336

MIPEP Antibody (Center) - 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 307-336 amino acids from the Central 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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MIPEP Antibody (Center) - Protein Information

Name MIPEP

Synonyms MIP



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

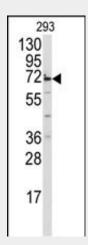
Cellular LocationMitochondrion matrix.

MIPEP Antibody (Center) - Protocols

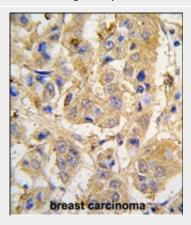
Provided below are standard protocols that you may find useful for product applications.

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

MIPEP Antibody (Center) - Images



Western blot analysis of anti-MIPEP Antibody (Center) (Cat.#AP1459c) in 293 cell line lysates (35ug/lane). MIPEP (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MIPEP antibody (Center), 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 (Center) - 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. It may contribute to the functional effects of frataxin deficiency and the clinical manifestations of Friedreich ataxia.

MIPEP Antibody (Center) - References

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