

PMPCB Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58568

Specification

PMPCB Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW
Physical State

O75439
Rat
Rabbit
Polyclonal
49 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human PMPCB

Epitope Specificity 181-280/489

Isotype IgG

Purity affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrion matrix.

SIMILARITY
SUBUNIT
Important Note

Belongs to the peptidase M16 family.
Heterodimer of alpha and beta subunits.
This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

PMPCB is a member of the peptidase M16 family and encodes a protein with a zinc-binding motif. PMPCB is located in the mitochondrial matrix and catalyzes the cleavage of the leader peptides of precursor proteins newly imported into the mitochondria, though it only functions as part of a heterodimeric complex.

PMPCB Polyclonal Antibody - Additional Information

Gene ID 9512

Other Names

Mitochondrial-processing peptidase subunit beta, 3.4.24.64, Beta-MPP, P-52, PMPCB, MPPB

Dilution

IHC-P~~N/A<br \><span class</pre>

="dilution IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br\>E \sim N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.



PMPCB Polyclonal Antibody - Protein Information

Name PMPCB

Synonyms MPPB

Function

Catalytic subunit of the essential mitochondrial processing protease (MPP), which cleaves the mitochondrial sequence off newly imported precursors proteins (Probable) (PubMed:29576218). Preferentially, cleaves after an arginine at position P2 (By similarity). Required for PINK1 turnover by coupling PINK1 mitochondrial import and cleavage, which results in subsequent PINK1 proteolysis (PubMed:22354088).

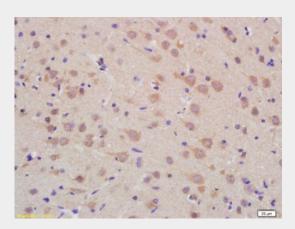
Cellular LocationMitochondrion matrix

PMPCB Polyclonal Antibody - 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

PMPCB Polyclonal Antibody - Images



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-PMPCB Polyclonal Antibody, Unconjugated(bs-7003R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

