

PAM16 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57820

Specification

PAM16 Polyclonal Antibody - Product Information

Application Primary Accession

Reactivity
Host
Clonality
Calculated MW
Physical State

Immunogen

Epitope Specificity

Isotype **Purity**

affinity purified by Protein A

Buffer

SUBCELLULAR LOCATION

SIMILARITY SUBUNIT WB, IHC-P, IHC-F, IF, ICC, E

Q9Y3D7

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 14 KDa Liquid

KLH conjugated synthetic peptide derived

from human PAM16

31-125/125

IqG

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

Proclin300 and 50% Glycerol.
Mitochondrion inner membrane.
Belongs to the TIM16/PAM16 family.
Probable component of the PAM complex at least composed of a mitochondrial
HSP70 protein, GRPEL1 or GRPEL2,

TIMM44, TIMM16/PAM16 and

TIMM14/DNAJC19 (By similarity). Interacts with DNAJC19. Directly interacts with DNAJC15; this interaction counteracts DNAJC15-dependent stimulation of HSPA9 ATPase activity. Associates with the TIM23

complex.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a mitochondrial protein involved in granulocyte-macrophage colony-stimulating factor (GM-CSF) signaling. This protein also plays a role in the import of nuclear-encoded mitochondrial proteins into the mitochondrial matrix and may be important in reactive oxygen species (ROS) homeostasis. Mutations in this gene cause Megarbane-Dagher-Melike type spondylometaphyseal dysplasia, an early lethal skeletal dysplasia characterized by short stature, developmental delay and other skeletal abnormalities. [provided by RefSeq, May 2017]

PAM16 Polyclonal Antibody - Additional Information

Gene ID 51025



Other Names

Mitochondrial import inner membrane translocase subunit TIM16, Mitochondria-associated granulocyte macrophage CSF-signaling molecule, Presequence translocated-associated motor subunit PAM16, PAM16, MAGMAS, TIM16, TIMM16

Target/Specificity

Ubiquitously expressed.

Dilution

WB~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °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 °C.

PAM16 Polyclonal Antibody - Protein Information

Name PAM16

Synonyms MAGMAS, TIM16, TIMM16

Function

Regulates ATP-dependent protein translocation into the mitochondrial matrix. Inhibits DNAJC19 stimulation of HSPA9/Mortalin ATPase activity.

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Tissue Location

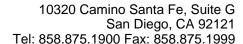
Ubiquitously expressed.

PAM16 Polyclonal Antibody - Protocols

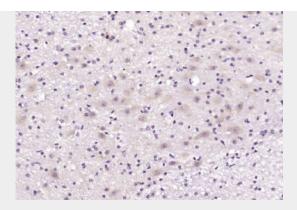
Provided below are standard protocols that you may find useful for product applications.

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

PAM16 Polyclonal Antibody - Images







Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAM16) Polyclonal Antibody, Unconjugated (bs-21010R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.