

PAM16 Rabbit pAb

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Catalog # AP57820

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y3D7
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Chicken, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	13825
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PAM16
Epitope Specificity	31-125/125
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 inner membrane.
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]

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

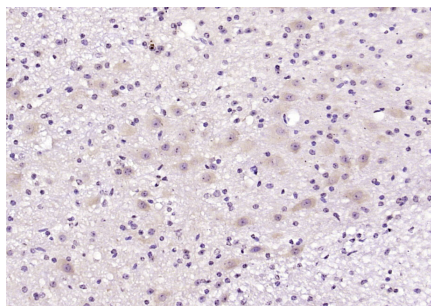
Protein Information

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.

Background

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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 (AP57820) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.