

For Research Use Only

PAM16 Polyclonal antibody

Catalog Number: 15321-1-AP

3 Publications



Basic Information

Catalog Number:

15321-1-AP

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0970

GenBank Accession Number:

BC005024

GeneID (NCBI):

51025

UNIPROT ID:

Q9Y3D7

Full Name:

mitochondria-associated protein involved in granulocyte-macrophage colony-stimulating factor signal transduction

Calculated MW:

14 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HepG2 cells,

IHC : human ovary cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PAM16, also named as Magmas, TIM16 and TIMM16, is regulates ATP-dependent protein translocation into the mitochondrial matrix. The MW of PAM16 is about 14-16 kDa in WB detection. PAM16 is a component of the PAM complex at least composed of a mitochondrial HSP70 protein, GRPEL1 or GRPEL2, TIMM44, TIMM16/PAM16 and TIMM14/DNAJC19.

Notable Publications

Author	Pubmed ID	Journal	Application
Jonas Benjamin Michaelis	36056001	Nat Commun	WB
Kaijun Di	30414099	J Neurooncol	IHC
Dingbang Huang	38091880	Redox Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

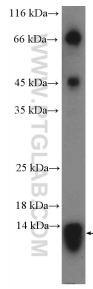
T: 4006900926

E: Proteintech-CN@ptglab.com

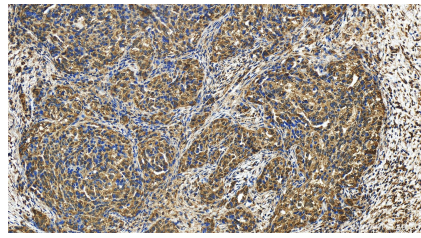
W: ptgcn.com

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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 15321-1-AP (PAM16 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 15321-1-AP (PAM16 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).