

For Research Use Only

MIPEP Polyclonal antibody

Catalog Number: 11002-1-AP **1 Publications**



Basic Information

Catalog Number: 11002-1-AP	GenBank Accession Number: BC009934	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4285	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: mitochondrial intermediate peptidase	
Isotype: IgG	Calculated MW: 81 kDa	
Immunogen Catalog Number: AG1451	Observed MW: 70-80 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, MCF-7 cells
Cited Applications: WB	IHC : human prostate cancer tissue,
Species Specificity: human	
Cited Species: human	

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

MIPEP(Mitochondrial intermediate peptidase) is also named as MIP and belongs to the peptidase M3 family. It performs the final step in processing a specific class of nuclear-encoded proteins targeted to the mitochondrial matrix or inner membrane. The enzyme is a monomer of 75 kDa with a transit peptide and about 20% of the final MIP preparation consists of equimolar amounts of two peptides of 47 kDa and 28 kDa, which are apparently the products of a single cleavage of the 75 kDa protein. MIP is an independent endopeptidase acting on mitochondrial intermediate proteins as substrates.(PMID:1322290).

Notable Publications

Author	Pubmed ID	Journal	Application
Marcondes Marcelo F MF	19900404	Biochem Biophys Res Commun	WB

Storage

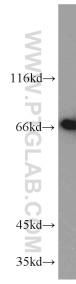
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

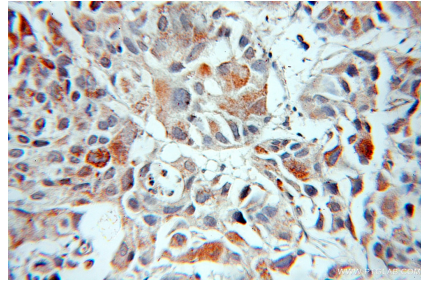
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 11002-1-AP (MIPEP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11002-1-AP (MIPEP antibody) at dilution of 1:50 (under 10x lens).