

For Research Use Only

C4orf49 Polyclonal antibody

Catalog Number: 22569-1-AP



Basic Information

Catalog Number: 22569-1-AP	GenBank Accession Number: BC104174	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 84709	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: chromosome 4 open reading frame 49	
Isotype: IgG	Calculated MW: 240 aa, 25 kDa	
Immunogen Catalog Number: AG16552	Observed MW: 33-36 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A2780 cells, A549 cells, SKOV-3 cells
Species Specificity: human, mouse	IHC : human ovary tissue, human testis 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

The protein MGARP, also named as C4ORF49, CESP1, HUMMR, OSAP and G53582, plays a role in the trafficking of mitochondria along microtubules. It regulates the kinesin-mediated axonal transport of mitochondria to nerve terminals along microtubules during hypoxia. MGARP is localized to the mitochondria in cultured human CE, and its N-terminal seems to be processed after mitochondrial import. The MW of MGARP is about 33-36 kDa (PMID: 16565373).

Storage

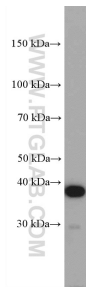
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

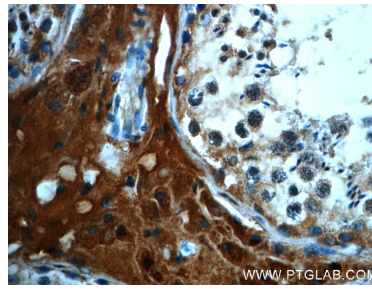
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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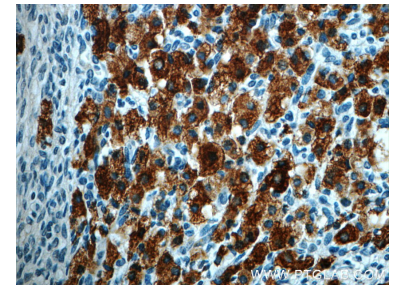
Selected Validation Data



A2780 cells were subjected to SDS PAGE followed by western blot with 22569-1-AP (C4orf49 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis slide using 22569-1-AP (C4orf49 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human ovary slide using 22569-1-AP (C4orf49 Antibody) at dilution of 1:50.