

For Research Use Only

# C4orf49 Polyclonal antibody

Catalog Number: 22569-1-AP



## Basic Information

<b>Catalog Number:</b> 22569-1-AP	<b>GenBank Accession Number:</b> BC104174	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 900 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 84709	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8TDB4	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 4 open reading frame 49	
<b>Immunogen Catalog Number:</b> AG16552	<b>Calculated MW:</b> 240 aa, 25 kDa	
	<b>Observed MW:</b> 33-36 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> A2780 cells, A549 cells, SKOV-3 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human ovary tissue, human testis tissue

## Background Information

The protein MGARP, also named as C4ORF49, CESP1, HUMMR, OSAP and GS3582, 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

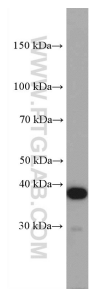
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

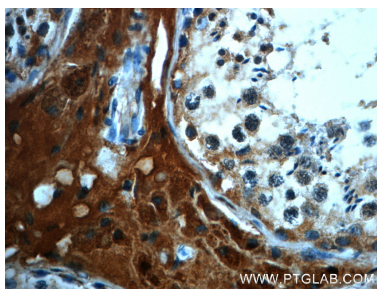
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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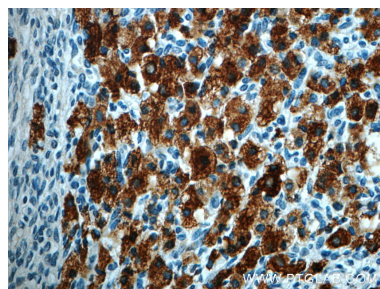
Selected Validation Data



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.