

C4orf49 Polyclonal antibody

Catalog Number: 22569-1-AP

Basic Information

Catalog Number:

22569-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16552

GenBank Accession Number:

BC104174

GeneID (NCBI):

84709

UNIPROT ID:

Q8TDB4

Full Name:

chromosome 4 open reading frame 49

Calculated MW:

240 aa, 25 kDa

Observed MW:

33-36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

human, mouse

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

Positive Controls:

WB : A2780 cells, A549 cells, SKOV-3 cells

IHC : 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:

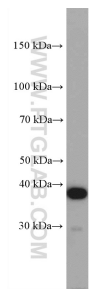
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

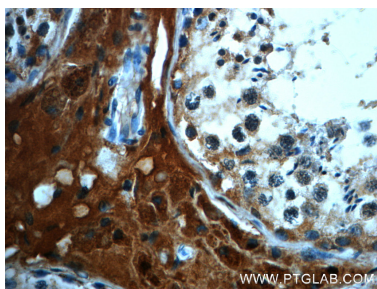
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

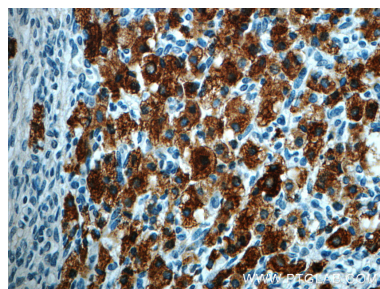
Selected Validation Data



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.