C4orf49 Polyclonal antibody

Catalog Number:22569-1-AP

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Basic Information

Catalog Number: 22569-1-AP	**GenBank Accession Number:** BC104174	**Purification Method:** Antigen affinity purification
Size: 900 μg/ml	**GeneID (NCBI):** 84709	**Recommended Dilutions:** WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	**UNIPROT ID:** Q8TDB4	
Isotype: IgG	**Full Name:** chromosome 4 open reading frame 49	
Immunogen Catalog Number: AG16552	**Calculated MW:** 240 aa, 25 kDa	
	Observed MW: 33-36 kDa	

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℃. 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
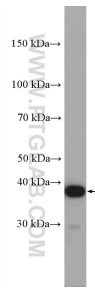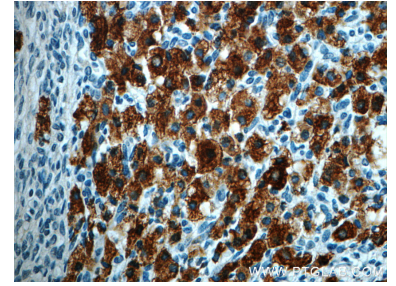
A2780 cells were subjected to SDS PAGE followed by western blot with 22569-1-AP (C4orf49 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
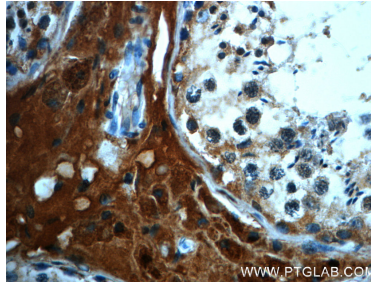
Immunohistochemical analysis of paraffin-embedded human testis slide using 22569-1-AP (C4orf49 Antibody) at dilution of 1:50.

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