

For Research Use Only

GLS2 Polyclonal antibody

Catalog Number: 20171-1-AP



Basic Information

Catalog Number: 20171-1-AP	GenBank Accession Number: BC059370	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 µg/ml by Nanodrop;	GeneID (NCBI): 27165	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: glutaminase 2 (liver, mitochondrial)	
Isotype: IgG	Calculated MW: 602 aa, 66 kDa	
Immunogen Catalog Number: AG14003	Observed MW: 66-70 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, IHC : human liver 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

GLS2, also named as GA and GLS, belongs to the glutaminase family. It is Glutaminase liver isoform . GLS2 plays an important role in the regulation of glutamine catabolism. It promotes mitochondrial respiration and increases ATP generation in cells by catalyzing the synthesis of glutamate and alpha-ketoglutarate. GLS2 may play a role in preventing tumor proliferation. This antibody is specific to GLS2.

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

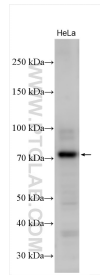
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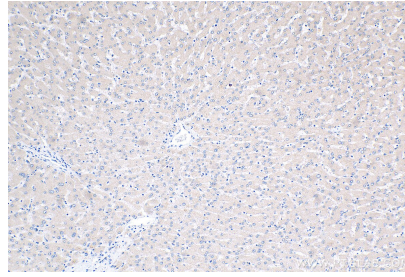
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Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 20171-1-AP (GLS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 20171-1-AP (GLS2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).