

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:	650 µg/ml	GeneID (NCBI):	27165	Recommended Dilutions:	WB 1:1000-1:4000 IHC 1:50-1:500
Source:	Rabbit	UNIPROT ID:	Q9UI32		
Isotype:	IgG	Full Name:	glutaminase 2 (liver, mitochondrial)		
Immunogen Catalog Number:	AG14003	Calculated MW:	602 aa, 66 kDa		
		Observed MW:	66-70 kDa		

Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	human	WB :	HeLa cells, HepG2 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

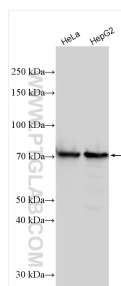
Background Information

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.

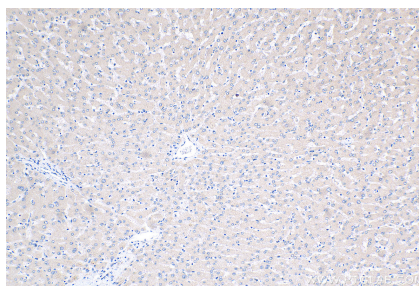
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20171-1-AP (GLS2 antibody) at dilution of 1:2000 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).