## For Research Use Only

## Glutamine Synthetase Polyclonal antibody

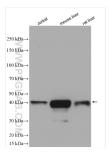


Basic Information	Catalog Number: 11037-2-AP	GenBank Accession Number: BC011700	Purification Method: Antigen affinity purification	
	Size:	GenelD (NCBI):	Recommended Dilutions: WB 1:1000-1:6000	
	500 µg/ml	2752		
	Source:	UNIPROT ID:	IHC 1:50-1:500 IF 1:50-1:500	
	Rabbit	P15104		
	lsotype: IgG Immunogen Catalog Number: AG1510	Full Name: glutamate-ammonia ligase		
		(glutamine synthetase)		
		Calculated MW:		
		374 aa, 42 kDa		
		Observed MW: 40-42 kDa		
Applications	Tested Applications:	Positive Controls:		
	WB, IF-P, FC, IHC, ELISA	WB : Jurl	kat cells, mouse liver tissue, rat liver tissue	
	Cited Applications: IHC : mo WB, IP, IF, IHC, ELISA		use liver tissue,	
	Species Specificity: human, mouse, rat		IF : mouse liver tissue, mouse brain tissue, human brain tissue	
	Cited Species: human, rat, mouse			
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
		d with citrate		
Background Information	buffer pH 6.0 GLUL(Glutamine synthetase) is a enzyme has 2 functions: it cataly GABA), the latter in a pyridoxal skin fibroblasts(PMID:18662667 (CSGD).Organismal glutamine p synthetase in the lung and skele	also named as GS,GLNS and belongs to zes the production of glutamine and a phosphate-independent manner By sin ).Defects in GLUL are the cause of cong production is augmented secondary to stal muscle(PMID:7630137). There are ts also detected besides the 42 kDa ba	nilarity. Essential for proliferation of fetal genital systemic glutamine deficiency an increase in the activity of glutamine other bands with higher (66 kDa, 97 kDa) a	
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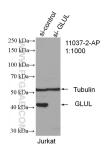
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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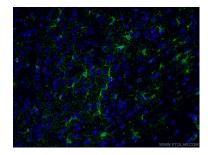
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11037-2-AP (Glutamine Synthetase antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



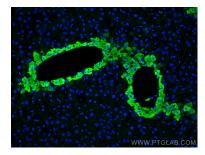
WB result of Glutamine synthetase antibody (11037-2-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Glutamine synthetase transfected Jurkat cells.



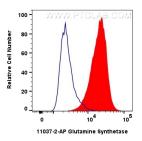
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 11037-2-AP (Glutamine synthetase antibody) at dilution of 1:50 and Alexa Fluor 4&B-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



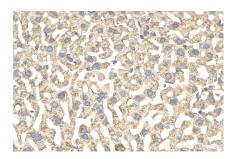
Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 11037-2-AP (Glutamine Synthetase antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Glutamine Synthetase antibody (11037-2-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug Glutamine Synthetase Polyclonal antibody (11037-2-AP)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (bue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 11037-2-AP (Glutamine Synthetase antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).