## For Research Use Only

## KGA/GAM/GAC Polyclonal antibody

Catalog Number:23549-1-AP

Featured Product 4 Publications

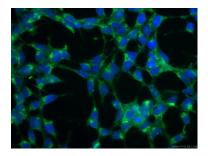


Basic Information	Catalog Number: 23549-1-AP	GenBank Accessi BC038507	ion number.	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI):		Recommended Dilutions:	
	750 µg/ml	2744		WB 1:500-1:1000	
	Source: Rabbit	UNIPROT ID: 094925		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Isotype:	Full Name:		IHC 1:20-1:200	
	lgG	glutaminase		IF/ICC 1:50-1:500	
	Immunogen Catalog Number: AG20354	Calculated MW: 669 aa, 73 kDa			
		Observed MW: 58 kDa, 65 kDa, 83 kDa			
Applications	Tested Applications:	Positive Controls:			
	Cited Applications: mouse liver tissue, rat brain   WB, IHC, IF IP : HEK-293 cells,   Species Specificity: IP : HEK-293 cells,			EK-293 cells, HeLa cells, mouse brain tissue,	
	human, mouse, rat			an kidney tissue, human brain tissue	
	Cited Species:		IF/ICC : HE	EK-293 cells, HeLa cells	
	human				
	human Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0	atively, antigen			
Background Information	Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0 GLS, also named as GLS1 and KIA primary pathway for the renal can neurons develop neurofibrillary t intense than in HT29 cells, in acco mass of approx. 63 kDa(PMID:122 expression (GLS, molecular mass	atively, antigen d with citrate A0838, belongs to the tabolism of glutamine angles in Alzheimer's ordance with measure 408749). Ping Gao et al of ~58 kDa) is increase ate-dependent glutam	e. Glutaminase-, g disease.The glut ments of glutami l. (2009) determir ed ~10-fold in res inase(PMID:4476	nily. It catalyzes the first reaction in the glutamate-, and taurine-immunoreactive aminase band in AA/C1 cells is more inase activity, and had the same molecu ned that mitochondrial glutaminase ponse to Myc. It also reveals a molecula 24;7512428). GLS has 3 isoforms product s(KGA,GAM,GAC) of GLS.	
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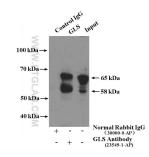
For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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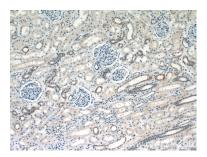
## Selected Validation Data



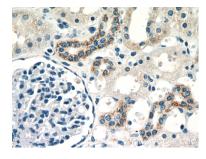
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 23549-1-AP (KGA/GAM/GAC antibody), at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



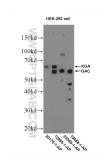
IP result of anti-KGA/GAM/GAC (IP:23549-1-AP, 4ug; Detection:23549-1-AP 1:1000) with HEK-293 cells lysate 1200ug.



Immunohistochemical analysis of paraffinembedded human kidney slide using 23549-1-AP (KGA/GAM/GAC antibody at dilution of 1:50.



Immunohistochemical analysis of paraffinembedded human kidney slide using 23549-1-AP (KGA/GAM/GAC antibody at dilution of 1:50.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 23549-1-AP (KGA/GAM/GAC antibody at dilution of 1:600 incubated at 4 degree celsius over night.