For Research Use Only

KGA/GAM/GAC Polyclonal antibody

Catalog Number:23549-1-AP Featured Product

4 Publications

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Basic Information	Catalog Number: 23549-1-AP	GenBank Accessio BC038507	n Number:	Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI): 2744 UNIPROT ID: 094925		Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	150ul , Concentration: 750 ug/ml by Nanodrop and 493 ug/ml by Bradford				
	method using BSA as the standard;				
	Source: Rabbit	Full Name: glutaminase		IHC 1:20-1:200 IF/ICC 1:50-1:500	
	lsotype: IgG	Calculated MW: 669 aa, 73 kDa			
	Immunogen Catalog Number: AG20354	Observed MW: 58 kDa, 65 kDa, 83 kDa			
Applications	Tested Applications:		Positive Cor	Positive Controls: WB : HEK-293 cells, HeLa cells, mouse brain tissue, mouse liver tissue, rat brain tissue	
	WB, IHC, IF/ICC, IP, ELISA Cited Applications:				
	WB, IHC, IF		IP : HEK-293 cells,		
	Species Specificity: human, mouse, rat		IHC : human	kidney tissue, human brain tissue	
	Cited Species: human		IF/ICC : HEK	-293 cells, HeLa cells	
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ				
	retrieval may be performed w buffer pH 6.0	ith citrate			
Background Information	buffer pH 6.0 GLS, also named as GLS1 and KIAA08 primary pathway for the renal catabo neurons develop neurofibrillary tang intense than in HT29 cells, in accorda mass of approx. 63 kDa(PMID:124087 expression (GLS, molecular mass of ~	38, belongs to the g lism of glutamine. les in Alzheimer's c nce with measuren '49). Ping Gao et al. 58 kDa) is increased Jependent glutamir	Glutaminase-, glu lisease.The glutan nents of glutamin (2009) determine d ~10-fold in resp nase(PMID:44762	ase activity, and had the same molecul ed that mitochondrial glutaminase onse to Myc. It also reveals a molecular 4;7512428). GLS has 3 isoforms produce	
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W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

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.