For Research Use Only

KGA-Specific Polyclonal antibody Catalog Number: 20170-1-AP Featured Product 21 Publication

Featured Product 21 Publications

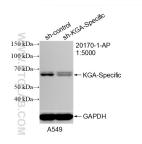
proteintech Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 20170-1-AP	GenBank Accession Number: BC 038507		Purification Method: Antigen affinity purification
	Concentration:	GeneID (NCBI):		Recommended Dilutions:
	1400 ug/ml	2744		WB 1:500-1:1000
	Source: Rabbit	UNIPROT ID:		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
		094925 Full Name:		IHC 1:20-1:200
	Isotype: IgG	glutaminase		IF/ICC 1:200-1:800
	Immunogen Catalog Number: AG14002	Calculated MW: 669 aa, 73 kDa		
		Observed MW: 66 kDa		
Applications	WB, IHC, IF/ICC, IP, ELISA WB : HEK- Cited Applications: tissue, hur		Positive Con	
			WB : HEK-293 cells, mouse kidney tissue, human hear tissue, human brain tissue, K-562 cells, mouse brain tissue, A549 cells, HeLa cells, rat brain tissue, HFF cells, MRC-5 cells	
	human, mouse, rat			
	Cited Species: human, mouse, rat		IHC : human kidney tissue, human brain tissue, mous brain tissue, mouse kidney tissue	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			cells, HEK-293 cells
	Background Information	primary pathway for the renal ca neurons develop neurofibrillary intense than in HT29 cells, in acc mass of approx 63 kDa. The banc kDa) and rat kidney glutaminase	tabolism of glutamine. (tangles in Alzheimer's d cordance with measurem ds for both cell lines are o e (65 kDa)(PMID:1240874 use(PMID:447624;751242	Slutaminase-, glu isease. The glutam ents of glutamina learly different ir 9). It also reveals 8). It has 3 isoforr
Notable Publications	Author	Pubmed ID Jo	urnal	Application
	Daniel Herranz		it Med	WB
	Kalpana D Acharya	28955722 eN	leuro	WB
	Niki Marie Zacharias	29170516 Sc	i Rep	WB
Storage	Storage: Store at -20°C. Stable for one yea Storage Buffer: PBS with 0.02% sodium azide an Aliquoting is unnecessary for -20	d 50% glycerol, pH7.3		

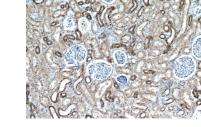
For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

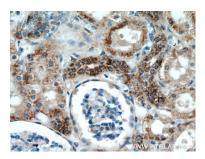
Selected Validation Data



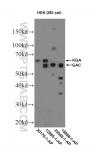
WB result of KGA-Specific antibody (20170-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KGA-Specific transfected A549 cells.



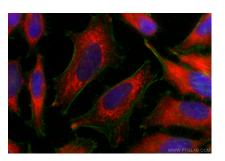
Immunohistochemical analysis of paraffinembedded human kidney using 20170-1-AP (KGA-Specific antibody) at dilution of 1:100 (under 10x lens).



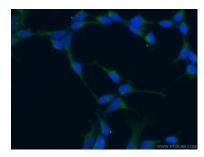
Immunohistochemical analysis of paraffinembedded human kidney using 20170-1-AP (KGA-Specific antibody) at dilution of 1:100 (under 40x lens).



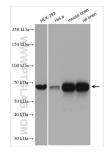
HEK-293 cells were subjected to SDS PAGE followed by western blot with 2017O-1-AP (KGA-Specific antibody at dilution of 1:600 incubated at 4 degree celsius over night.



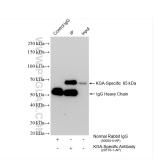
Immunofluorescent analysis of (-20°C Ethanol) fixed hela cells using KGA-Specific antibody (20170-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).



Immunofluorescent analysis of (-20 $^{\circ}{\rm C}$ Ethanol) fixed HEK-293 cells using 20170-1-AP (KGA-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 20170-1-AP (KGA-Specific antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-KGA-Specific (IP:20170-1-AP, 4ug; Detection:20170-1-AP 1:8000) with HEK-293 cells lysate 1440 ug.