For Research Use Only

GLUD1 Polyclonal antibody Catalog Number: 14299-1-AP Featured Product 5

Featured Product 54 Publications

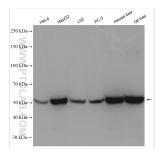


Basic Information	Catalog Number: 14299-1-AP	GenBank Ac BC040132	cession Number:	Purification Method: Antigen affinity purification	
	Concentration:GeneID (NCBI):650 ug/ml2746Source:UNIPROT ID:RabbitP00367		Recommended Dilutions: WB 1:5000-1:50000		
			t:	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	lsotype: IgG	Full Name: glutamate dehydrogenase 1		IHC 1:50-1:500 IF-P 1:50-1:500	
	Immunogen Catalog Number: AG5694	Calculated 61 kDa	, ,	IF-Fro 1:50-1:500	
		Observed MW: 45-55 kDa			
Applications	Tested Applications:			ontrols:	
	WB, IHC, IF-P, IF-Fro, IP, ELISA Cited Applications:			WB : HeLa cells, mouse lung tissue, HepG2 cells, LO2 cells, PC-3 cells, mouse liver tissue, rat liver tissue	
	WB, IHC, IF, IP, CoIP Species Specificity: human, mouse, rat		IP : HeLa c	IP : HeLa cells,	
				IHC : human gliomas tissue, human breast cancer tissue, human liver tissue, mouse liver tissue	
	Cited Species: human, mouse, rat, pig			se brain tissue,	
	<i>TE buffer pH 9.0; (*) Alternatively, antigen</i> retrieval may be performed with citrate <i>buffer pH 6.0</i>				
Background Information	housekeeping and nerve tissue- the reversible inter-conversion of and carbohydrate metabolism. Of such as those formed by the proj	specific isoforms of of glutamate to al GLUD1 might contr acting neurons of	encoded by the GLUD: oha-ketoglutarate and ibute to the formation the entorhinal cortex	abolism of glutamate, is known to exist in L and GLUD2 genes, respectively. It cataly: d ammonia, thus interconnecting amino ac of specific synapses in the hippocampus (PMID: 22138648). GLUD1 has a calculated a with the 53aa transit peptide removed.	
Notable Publications	Author	Pubmed ID	Journal	Irnal Application	
	Teresa W-M Fan	36150727	J Immunol		
	Weiwei Dai	36256480	J Clin Invest	WB	
	Jessica B Spinelli	29025995	Science		

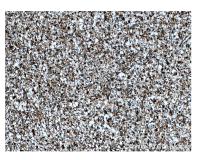
For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com

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

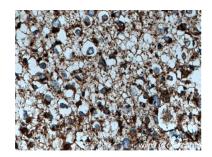
Selected Validation Data



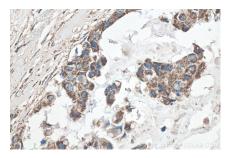
Various lysates were subjected to SDS PAGE followed by western blot with 14299-1-AP (GLUD1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



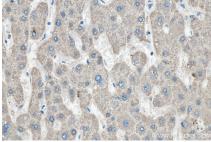
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 14299-1-AP (GLUD1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



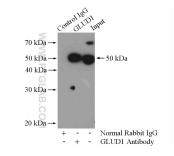
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 14299-1-AP (GLUD1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



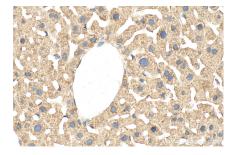
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 14299-1-AP (GLUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



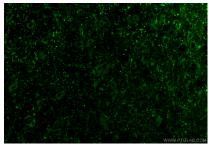
Immunohistochemical analysis of paraffinembedded human liver tissue slide using 14299-1-AP (GLUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



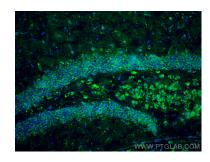
IP result of anti-GLUD1 (IP:14299-1-AP, 4ug; Detection:14299-1-AP 1:1000) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffinembedded mouse liver tissue slide using 14299-1-AP (GLUD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using GLUD1 antibody (14299-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using GLUD1 antibody (14299-1-AP) at dilution of 1:200 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).