For Research Use Only

GAD1 Monoclonal antibody

Catalog Number:67648-1-lg 4 Publications

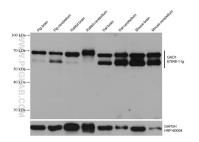


Basic Information	Catalog Number: 67648-1-Ig	GenBank Accession Number: BC002815		Purification Method: Protein A purification				
	Concentration:GeneID (NCBI):1000 ug/ml2571		CloneNo.: 2D5B7					
	Source: Mouse Isotype: IgG2a Immunogen Catalog Number: AG21336	UNIPROT ID: Q99259 Full Name: glutamate decarboxylase 1 (brain, 67kDa) Calculated MW: 67 kDa		Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:200-1:800				
						Observed MW: 67 kDa, 57 kDa		
					Applications	WB, IHC, IF-P, ELISAWB : pig bCited Applications:cerebellurWB, IFtissue, rabSpecies Specificity:mouse brack		Positive Con
		cerebellum t	nig brain tissue, rat brain tissue, mouse ellum tissue, pig cerebellum tissue, rabbit brain e, rabbit cerebellum tissue, rat cerebellum tissue					
mouse brain								
human, mouse, rat, pig, rabbitIHC : rat cereCited Species:IF-P : rat brai			bellum tissue, mouse cerebellum tissue n tissue					
human, mouse			nassue,					
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0								
Background Information	responsible for y -annihobulyric	acid (GABA) biosyn	thesis from glutamatic	y. GAD1 is the rate-limiting enzyme : acid and the major GAD isoform in the ntially involved in variety of skin				
Notable Publications	Author	Pubmed ID	Journal	Application				
	Mengjie Qi	39480623	Biol Trace Elem Res	WB				
	Rong-Xin Song	38513970	Exp Neurol	IF				
	Yanbing Kao	38201271	Cells	WB,IF				
Storage	Storage: Store at -20°C. Stable for one ye Storage Buffer: PBS with 0.02% sodium azide au Aliquoting is unnecessary for -2	nd 50% glycerol, pH	7.3					

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

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

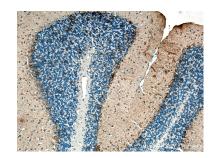
Selected Validation Data



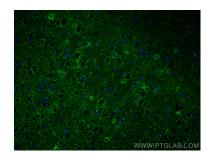
Various lysates were subjected to SDS PAGE followed by western blot with 67648-1-Ig (GAD1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffinembedded rat cerebellum tissue slide using 67648-1-lg (GAD1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse cerebellum tissue slide using 67648-1-1g (GAD1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat brain tissue using GAD1 antibody (67648-1-1g, Clone: 2D5B7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).