For Research Use Only

## GAD1 Monoclonal antibody

Catalog Number:67648-1-lg 4 Publications

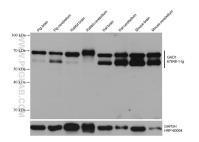


Basic Information	Catalog Number: 67648-1-Ig	GenBank Accession Number: BC002815		Purification Method: Protein A purification				
	Concentration:GeneID (NCBI):1000 ug/ml2571		CloneNo.: 2D5B7					
	Source: Mouse Isotype: IgG2a Immunogen Catalog Number: AG21336	UNIPROT ID: Q99259 Full Name: glutamate decarboxylase 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.

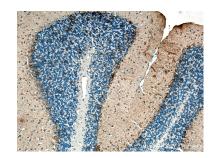
## Selected Validation Data



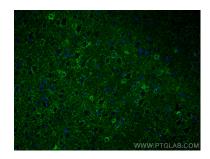
Various lysates were subjected to SDS PAGE followed by western blot with 67648-1-Ig (GAD1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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).