For Research Use Only

OPTN/Optineurin Polyclonal antibody Catalog Number:10837-1-AP Featured Product 118 Publications

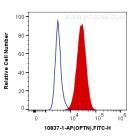
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Basic Information	Catalog Number: 10837-1-AP	BC013876	ession Number:	Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCBI)):	Recommended Dilutions:	
	850 ug/ml	10133		WB: 1:5000-1:50000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total	
	Source: Rabbit	UNIPROT ID: Q96CV9		protein lysate	
	Isotype:	Full Name:		IHC: 1:50-1:500	
	lgG	optineurin		IF-P: 1:50-1:500 IF/ICC: 1:200-1:800	
	Immunogen Catalog Number: AG1272	Calculated MV 66 kDa	N:	FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
		Observed MW: 66-70 kDa			
Applications	Tested Applications:		Positive Co	Positive Controls:	
	WB, IHC, IF/ICC, IF-P, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP Species Specificity: human, mouse, rat			WB : HeLa cells, mouse brain tissue, rat brain tissue HepG2 cells, NCCIT cells IP : HeLa cells,	
			•		
				IF : human gliomas tissue,	
				IF-P : rat eye tissue,	
	Cited Species:			IF/ICC : MCF-7 cells,	
	human mouse rat nig monkey				
	human, mouse, rat, pig, monkey, Note-IHC: suggested antige				
	human, mouse, rat, pig, monkey, l Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0	en retrieval with atively, antigen	FC (Intra) :	HeLa cells,	
Background Information	Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed buffer pH 6.0 OPTN, also named as FIP2, GLC1E probably part of the TNF-alpha si OPTN may act by regulating men and hungtingtin (HD). OPTN may functions, thereby affecting cell o (NPG). OPTN mutated in adult-om	en retrieval with atively, antigen d with citrate E, HIP7, HYPL and NF gnaling pathway th nbrane trafficking a constitute a cellula death. Defects in OP set primary open ar 3 isoforms with MW	RP, plays a neuropro nat can shift the equi ind cellular morphog in target for adenovi PTN are a cause of su ngle glaucoma. It su 66,65 and 60 kDa (r	HeLa cells, tective role in the eye and optic nerve. It i librium toward induction of cell death. genesis via a complex that contains Rab8 us E3 14.7, an inhibitor of TNF-alpha sceptibility to normal pressure glaucoma pports the protective role of OPTN in the efer to UniProt). Catalog#10837-1-AP	
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For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com

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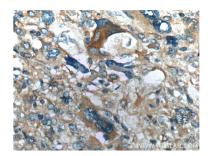
Selected Validation Data



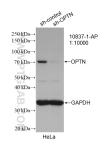
1X10^{^6} HeLa cells were intracellularly stained with 0.4 ug Anti-Human OPTN (10837-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



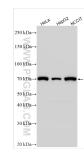
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 10837-1-AP (OPTN Antibody) at dilution of 1:200 (under 10x lens).



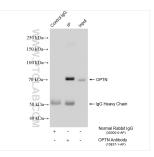
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 10837-1-AP (OPTN Antibody) at dilution of 1:200 (under 40x lens).



WB result of OPTN antibody (10837-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OPTN transfected HeLa cells.



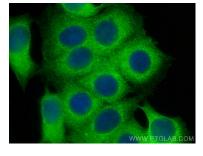
Various lysates were subjected to SDS PAGE followed by western blot with 10837-1-AP (OPTN/Optineurin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-OPTN/Optineurin (IP:10837-1-AP, 4ug; Detection:10837-1-AP 1:10000) with HeLa cells lysate 1400 ug.



Immunofluorescent analysis of (-20°C Acetone) fixed paraffin-embedded rat eye tissue using OPTN antibody (10837-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using OPTN antibody (10837-1-AP) at dilution of 1:400 and Multi-Ab CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).