For Research Use Only

## POMC Monoclonal antibody

Catalog Number:66358-1-lg 17 Publications

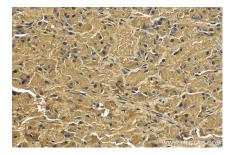
Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number: 66358-1-Ig	GenBank Accession Number: BC065832 GeneID (NCBI):		Purification Metho Protein A purificat		
	Size:			CloneNo.:		
	150ul , Concentration: 1000 ug/ml by	5443 UNIPROT ID: P01189 Full Name:		3C12C7 Recommended Dilutions: IHC 1:1000-1:4000		
	Nanodrop;					
	Source:					
	Mouse			IF/ICC 1:200-1:800		
	lsotype: lgG1	proopiomelanocortin				
	Immunogen Catalog Number: AG17311	Calculated MW:				
		267 aa, 29 kDa Observed MW:				
		35 kDa				
Applications	Tested Applications:		Positive Contr	Controls: nan pituitary tissue, mouse pancreas tissue		
	IHC, IF/ICC, FC (Intra), ELISA		IHC : human p			
	Cited Applications: IHC, IF	IF/ICC : HeLa cells,				
	Species Specificity: human, mouse					
	Cited Species:					
	human, mouse, rat, pig					
	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	Pro-opiomelanocortin (POMC) is a pro POMC plays important roles in many metabolism, immune reactions, and s among most normal tissues. The larg substances. POMC can be cleaved enz Lipotropin β, Lipotropin γ, β-MSH, β en	pathological and phy sexual functions. POM e molecule of POMC i zymatically into the fo	siological proces IC expression dif s the source of se ollowing peptide	ses, including regu fers quantitatively everal important bio	lating energy and qualitatively blogically active	
Notable Publications	Author Pub	omed ID Jour	nal		Application	
	Guangpin Chu 363	87867 Fron	t Endocrinol (Lau	sanne)	IF	
	Lifang Zhang 347	767244 Repr	od Sci		IF	
	Joseph Walters 355	37288 Bioc	hem Biophys Res	Commun	IF	

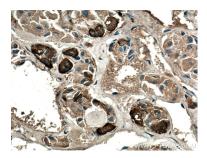
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.com

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

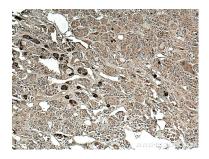
## Selected Validation Data



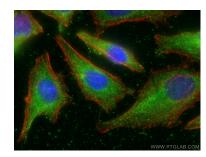
Immunohistochemical analysis of paraffinembedded human pituitary tissue slide using 66358-1-1g (POMC antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



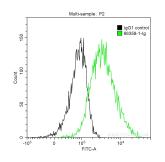
Immunohistochemical analysis of paraffinembedded human pituitary tissue slide using 66358-1-1g (POMC antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human pituitary tissue slide using 66358-1-1g (POMC antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using POMC antibody (66358-1-lg, Clone: 3C12C7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human POMC (66358-1-1g, Clone:3C12C7) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-1g, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.