For Research Use Only

CAPN2 Monoclonal antibody

Catalog Number:66977-1-lg 2 Publications

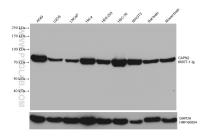
Antibodies | ELISA kits | Proteins WWW.ptglab.com

Basic Information	Catalog Number: 66977-1-lg	GenBank Acc BC021303	ession Number:	Purification Method: Protein G purification	
	Size: GenelD (NCBI):		CloneNo.:		
	150ul , Concentration: 1900 µg/ml by 824			1E1F10	
	Nanodrop and 1000 µg/ml by Bradford _{Full Name:} method using BSA as the standard; calpain 2, (m/II) larg		/II) large subunit	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:2000-1:8000 IF 1:400-1:1600	
	Source: Mouse	Calculated MW.			
	lsotype:	Observed MV			
	lgG1	72-00 KDa			
	Immunogen Catalog Number: AG28427				
Applications	Cited Applications: cells, hum		ontrols:		
			cells, huma	WB: A549 cells, HeLa cells, HSC-T6 cells, NIH/3T3 cells, human placenta tissue, U2OS cells, LNCaP cel HEK-293 cells, rat brain tissue, mouse brain tissue,	
	Species Specificity:			HepG2 cells	
	Human, Mouse, Rat IHC : hu		IHC : humar	IHC : human pancreas cancer tissue, human stomac cancer tissue, human colon cancer tissue, rat colon tissue	
			cancer tissu		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			ells,	
Background Information	Calpain 2(Calpain-2 catalytic subunit) is also named as CANPL2, CANPml, mCANP, FLJ39928, and belongs to the peptidase C2 family. N-terminal sequencing of CAPN2 purified from the human liver indicates that the N-terminal methionine is removed, resulting in a mature 699-amino acid subunit with a calculated molecular mass of 79.9 kD(PMID:2852952). It is a calcium-regulated non-lysosomal thiol-protease that catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. It has 2 isoforms produced by alternative splicing with the molecular weight of 80 kDa and 71 kDa.				
Notable Publications	Author F	Pubmed ID	Journal	Application	
Notable Publications		Pubmed ID 35482253	Journal Cell Mol Life Sci	Application IF	
Notable Publications	Jonasz Jeremiasz Weber			IF	
Notable Publications Storage	Jonasz Jeremiasz Weber 3 Fengming Shen 3 Storage: 5 Storage at -20°C. Stable for one year a storage Buffer:	35482253 35498131 after shipment.	Cell Mol Life Sci Oxid Med Cell Lon	IF	
	Jonasz Jeremiasz Weber 2 Fengming Shen 2 Storage: 2 Storage: 2 Store at -20°C. Stable for one year at -20°C.	35482253 35498131 After shipment. 50% glycerol pH	Cell Mol Life Sci Oxid Med Cell Lon	IF	

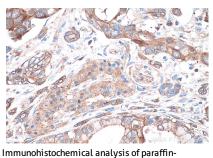
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

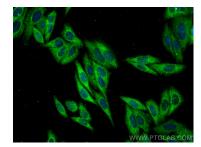
Selected Validation Data



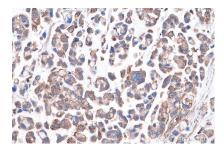
A 549 cells were subjected to SDS PAGE followed by western blot with 66977-1-1g (CAPN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



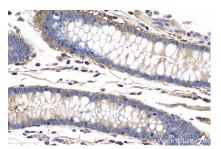
embedded human pancreas cancer tissue slide using 66977-1-1g (CAPN2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



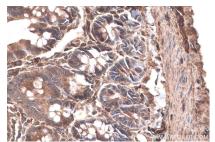
Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CAPN2 antibody (66977-1-Ig, Clone: 1E1F10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



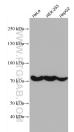
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 66977-1-1g (CAPN2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human stomach cancer tissue slide using 66977-1-1g (CAPN2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded rat small intestine tissue slide using 66977-1-1g (CAPN2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 66977-1-1g (CAPN2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.