

For Research Use Only

# Chromogranin A Recombinant antibody

Catalog Number: 86447-1-RR



## Basic Information

Catalog Number:	86447-1-RR	GenBank Accession Number:	NM_007693.2	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	12652	CloneNo.:	250318B12
Source:	Rabbit	UNIPROT ID:	P26339	Recommended Dilutions:	WB: 1:2000-1:10000 IHC: 1:1000-1:4000 IF-P: 1:250-1:1000
Isotype:	IgG	Full Name:	chromogranin A		
Immunogen Catalog Number:	EG2760	Calculated MW:	52 kDa		
		Observed MW:	70-85 kDa		

## Applications

Tested Applications:	WB, IHC, IF-P, ELISA	Positive Controls:	
Species Specificity:	mouse, rat	WB:	PC-12 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			IHC : mouse pancreas tissue, IF-P : mouse pancreas tissue,

## Background Information

Chromogranin A is a member of the granzin family of neuroendocrine secretory proteins. It is located in secretory vesicles of neurons and endocrine cells. Chromogranin A is the precursor to several functional peptides including vasostatin, pancreatic polypeptide, catestatin and parastatin. These peptides negatively modulate the neuroendocrine function of the releasing cell (autocrine) or nearby cells (paracrine). CgA is one of the most used tumor markers in NET's (neuroendocrine tumors), and elevated CgA concentrations have been demonstrated in serum or plasma of patients with different types of these tumors.

## Storage

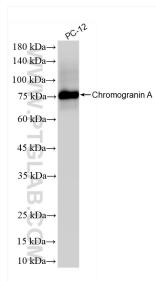
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

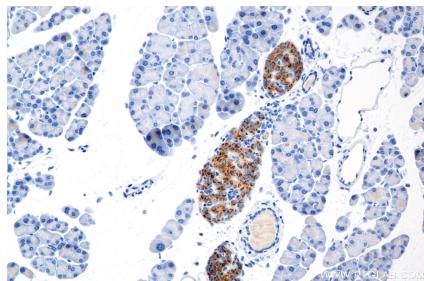
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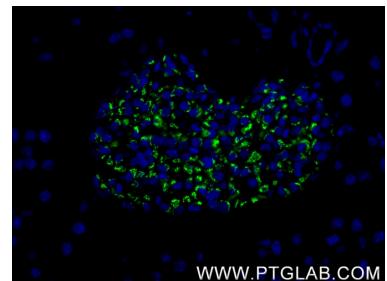
## Selected Validation Data



PC-12 cells were subjected to SDS PAGE followed by western blot with 86447-1-RR (Chga antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 86447-1-RR (Chromogranin A antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using Chromogranin A antibody (86447-1-RR, Clone: 250318B12) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).