

Chromogranin A Recombinant antibody

Catalog Number: 85605-2-RR

Basic Information

Catalog Number: 85605-2-RR	GenBank Accession Number: BC006459	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1113	CloneNo.: 243048H7
Source: Rabbit	UNIPROT ID: P10645	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:1000-1:4000 IF-P: 1:50-1:500
Isotype: IgG	Full Name: chromogranin A (parathyroid secretory protein 1)	
Immunogen Catalog Number: AG19780	Calculated MW: 51 kDa	
	Observed MW: 70-85 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

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

Positive Controls:

WB : SH-SY5Y cells, TT cells, PC-12 cells, pig adrenal gland tissue

IHC : human pancreas tissue, human appendix tissue, human colon tissue, mouse colon tissue, mouse pancreas tissue

IF-P : mouse small intestine tissue, mouse pancreas tissue

Background Information

Chromogranin A is a member of the granin 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, pancreastatin, 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

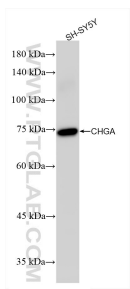
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

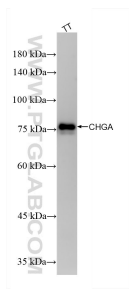
E: proteintech@ptglab.com
W: ptglab.com

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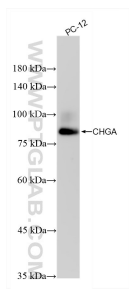
Selected Validation Data



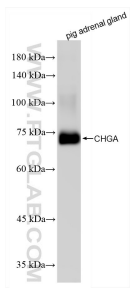
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



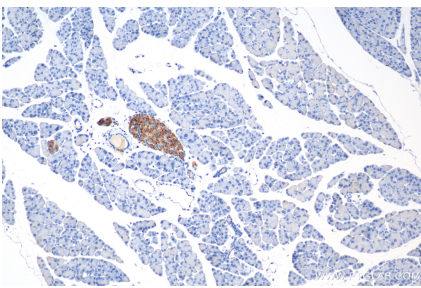
TT cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



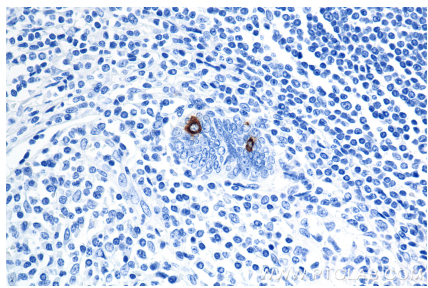
PC-12 cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



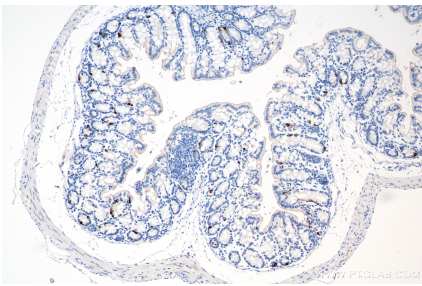
Pig adrenal gland tissue was subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



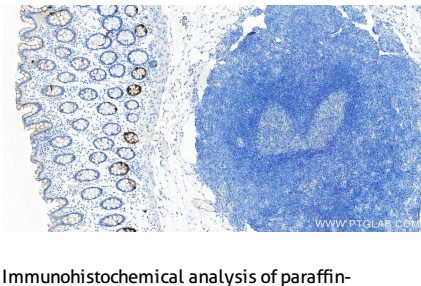
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



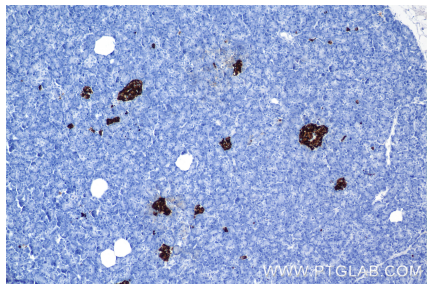
Immunohistochemical analysis of paraffin-embedded human appendix tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



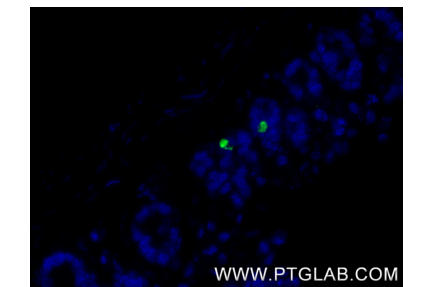
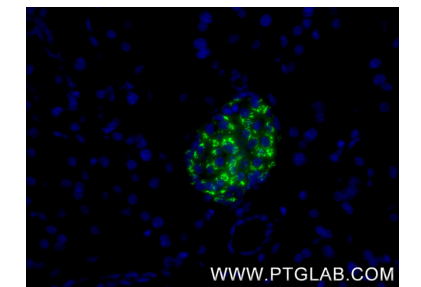
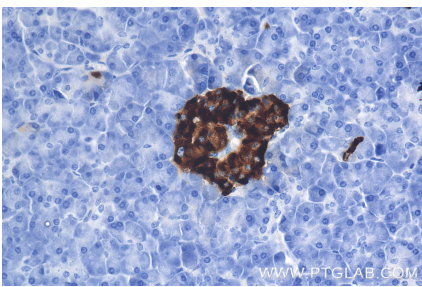
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 85605-2-RR (CHGA antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 85605-2-RR (CHGA antibody) at dilution of 1:2000 (under 40x 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 (85605-2-RR, Clone: 243048H7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using Chromogranin A antibody (85605-2-RR, Clone: 243048H7) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).