

# Chromogranin A Recombinant antibody

Catalog Number: 85605-2-RR

## Basic Information

## Catalog Number:

85605-2-RR

## Concentration:

1000 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG19780

## GenBank Accession Number:

BC006459

## GeneID (NCBI):

1113

## UNIPROT ID:

P10645

## Full Name:

chromogranin A (parathyroid secretory protein 1)

## Calculated MW:

51 kDa

## Observed MW:

70-85 kDa

## Purification Method:

Protein A purification

## CloneNo.:

243048H7

## Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:1000-1:4000

IF-P: 1:50-1:500

## 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:

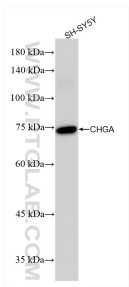
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

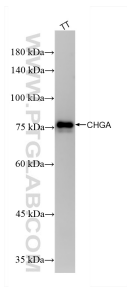
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

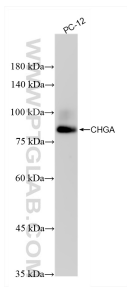
Selected Validation Data



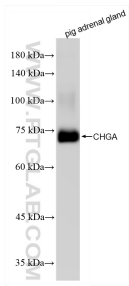
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



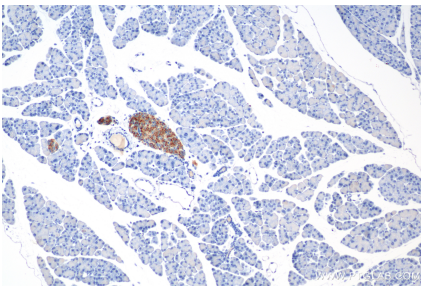
TT cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



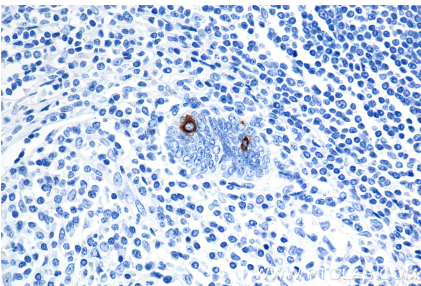
PC-12 cells were subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



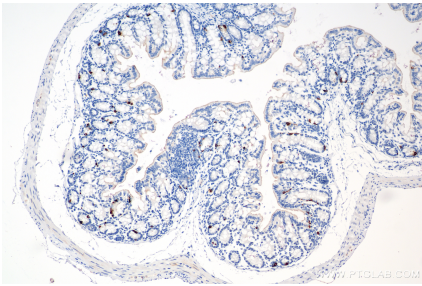
Pig adrenal gland tissue was subjected to SDS PAGE followed by western blot with 85605-2-RR (CHGA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



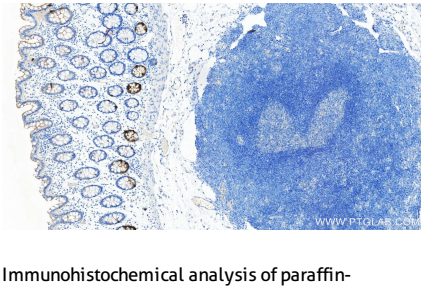
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



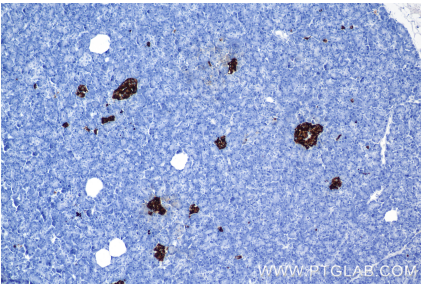
Immunohistochemical analysis of paraffin-embedded human appendix tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



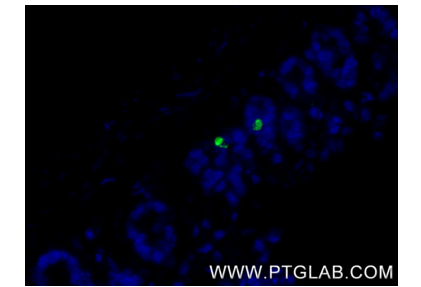
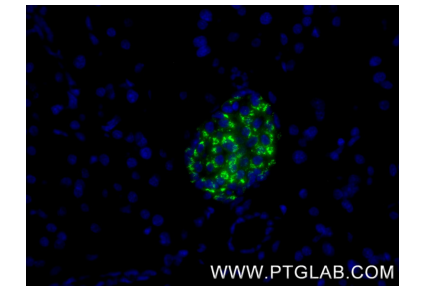
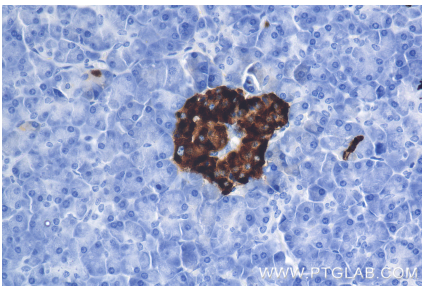
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 85605-2-RR (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).