

For Research Use Only

Anti-Human Chromogranin A Rabbit Recombinant Antibody

Catalog Number: 98570-1-RR



Basic Information

Catalog Number:

98570-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4794

GenBank Accession Number:

BC006459

GeneID (NCBI):

1113

UNIPROT ID:

P10645

Full Name:

chromogranin A (parathyroid secretory protein 1)

Calculated MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

251239G9

Recommended Dilutions:

IHC: 1:1000-1:4000

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IHC, FC (Intra)

Species Specificity:

human

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:

IHC : human colon tissue,

FC (Intra) : SH-SY5Y cells,

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

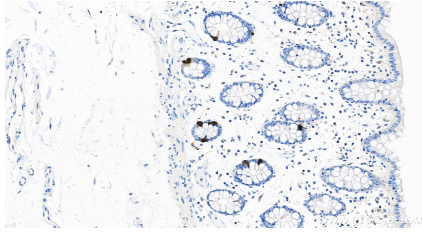
For technical support and original validation data for this product please contact:

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

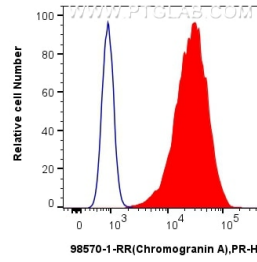
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W: ptglab.com

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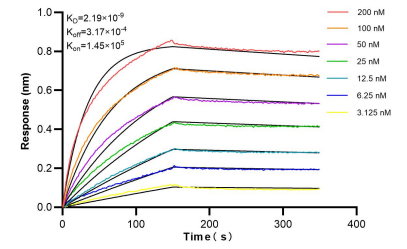
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 98570-1-RR (Chromogranin A antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 SH-SY5Y cells were intracellularly stained with 0.25 μ g Anti-Human Chromogranin A Rabbit RecAb (98570-1-RR, Clone:251239G9) (red), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



Bi-layer interferometry (BLI) kinetic assays of 98624-1-RR against Human Chromogranin A were performed. The affinity constant is 2.19 nM.