

For Research Use Only

Anti-Human Chromogranin A Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98570-1-PBS



Basic Information

Catalog Number: 98570-1-PBS	GenBank Accession Number: BC006459	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 1113	CloneNo.: 251239G9
Source: Rabbit	UNIPROT ID: P10645	
Isotype: IgG	Full Name: chromogranin A (parathyroid secretory protein 1)	
Immunogen Catalog Number: EG4794	Calculated MW: 51 kDa	

Applications

Tested Applications:
IHC, FC (Intra)

Species Specificity:
human

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

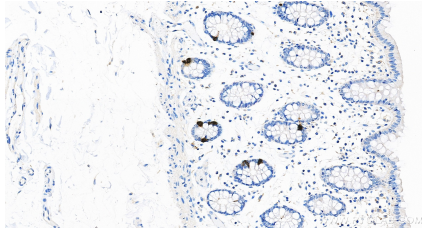
T: 4006900926

E: Proteintech-CN@ptglab.com

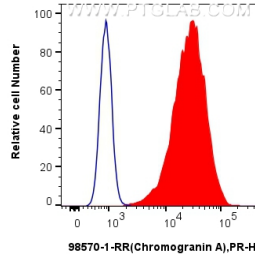
W: ptgcn.com

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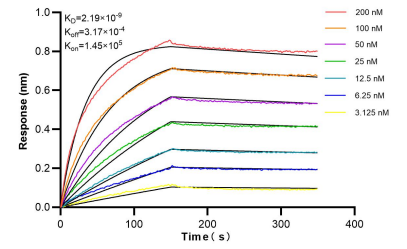
Selected Validation Data



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). This data was developed using the same antibody clone with 98570-1-PBS in a different storage buffer formulation.



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.25 ug 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). This data was developed using the same antibody clone with 98570-1-PBS in a different storage



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