

For Research Use Only

Chromogranin A Polyclonal antibody

Catalog Number: 23342-1-AP

2 Publications



Basic Information

Catalog Number: 23342-1-AP	GenBank Accession Number: BC006459	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1113	Recommended Dilutions: IHC 1:500-1:2000 IF-P 1:50-1:500 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P10645	
Isotype: IgG	Full Name: chromogranin A (parathyroid secretory protein 1)	
Immunogen Catalog Number: AG19780	Calculated MW: 51 kDa	

Applications

Tested Applications:
IHC, IF/ICC, IF-P, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse

Positive Controls:

IHC : mouse pancreas tissue, human lung cancer tissue, human small intestine tissue, human colon tissue, mouse colon tissue, human appendicitis tissue

IF-P : mouse small intestine tissue,

IF/ICC : Neuro-2a cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Buqing Ye	32449550	EMBO J	WB
Pawan Puri	35690337	Cell Mol Gastroenterol Hepatol	IF

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

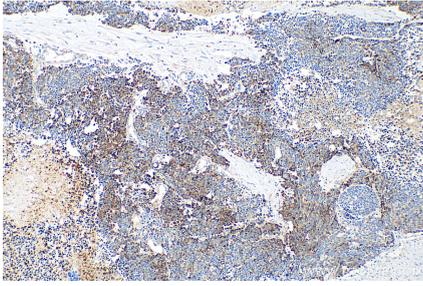
For technical support and original validation data for this product please contact:

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

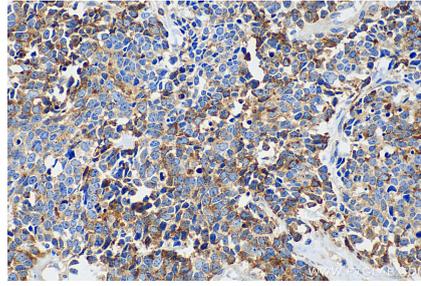
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

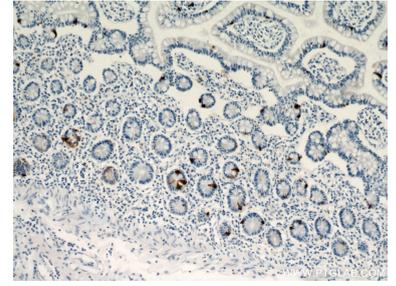
Selected Validation Data



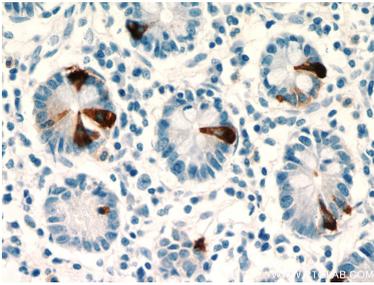
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 23342-1-AP (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



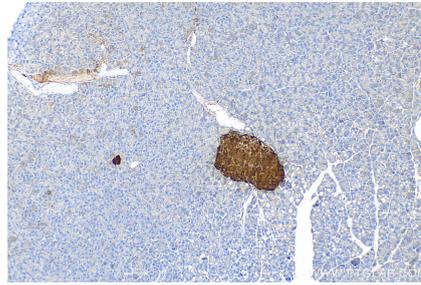
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 23342-1-AP (Chromogranin A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



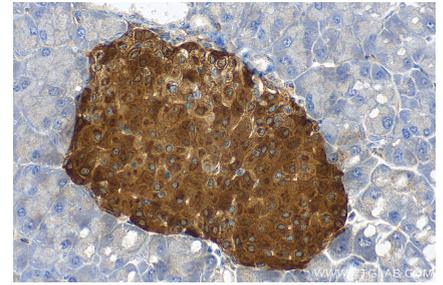
Immunohistochemical analysis of paraffin-embedded human small intestine using 23342-1-AP (Chromogranin A antibody) at dilution of 1:800 (under 10x lens).



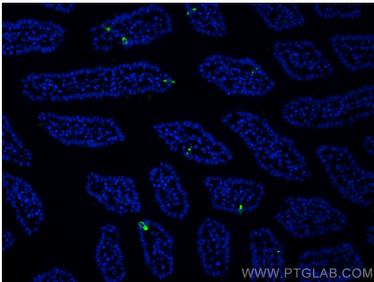
Immunohistochemical analysis of paraffin-embedded human small intestine using 23342-1-AP (Chromogranin A antibody) at dilution of 1:800 (under 40x lens).



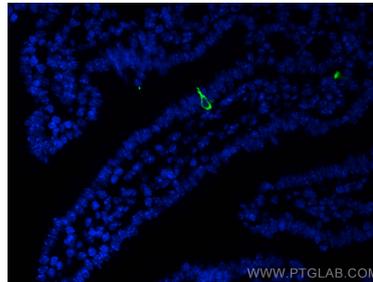
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 23342-1-AP (Chromogranin A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



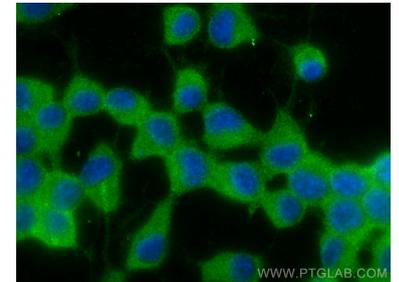
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 23342-1-AP (Chromogranin A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse small intestine tissue using Chromogranin A antibody (23342-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure 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 (23342-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed Neuro-2a cells using Chromogranin A antibody (23342-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).