

Chromogranin A Monoclonal antibody

 Catalog Number: 60135-1-Ig 10 Publications

Basic Information

Catalog Number: 60135-1-Ig	GenBank Accession Number: BC006459	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 1113	CloneNo.: 3H11C11
Source: Mouse	UNIPROT ID: P10645	Recommended Dilutions: IHC 1:5000-1:80000 IF 1:50-1:500
Isotype: IgG1	Full Name: chromogranin A (parathyroid secretory protein 1)	
Immunogen Catalog Number: AG0807	Calculated MW: 51 kDa	

Applications

Tested Applications: IF/ICC, IHC, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	IHC: human pancreas tissue, human colon tissue, human lung cancer tissue
Species Specificity: human, rat, pig, mouse	IF: PC-12 cells,
Cited Species: human, mouse	
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
Guifang He	33000273	Oncol Rep	WB
Qiuli Liu	33009820	J Pathol	WB,IHC
Trine Maxel	31197210	Sci Rep	WB

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

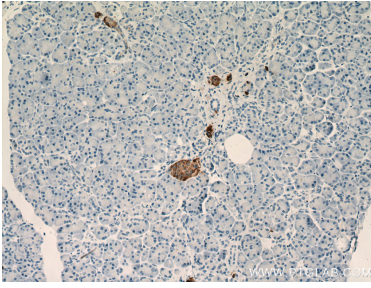
For technical support and original validation data for this product please contact:

T: 4006900926

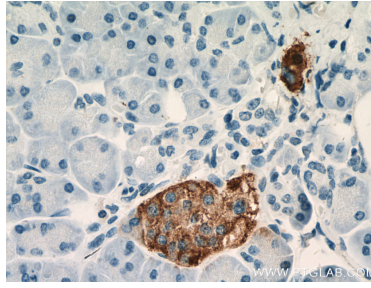
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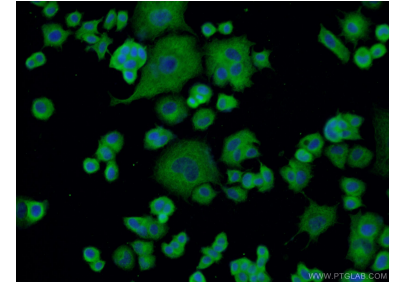
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 60135-1-Ig (Chromogranin A antibody) at dilution of 1:80000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 60135-1-Ig (Chromogranin A antibody) at dilution of 1:80000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-12 cells using 60135-1-Ig (Chromogranin A antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).