Product Name: **CHGA Mouse Monoclonal Antibody**
Catalog #: **AMM82506**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	50kDa

Antigen Information

Gene Name	CHGA
Alternative Names	CGA
Gene ID	1113.0
SwissProt ID	P10645
Immunogen	Purified recombinant fragment of human CHGA (AA: 278-457) expressed in E. Coli.

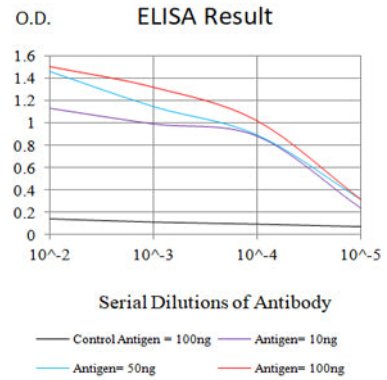
Background

The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of

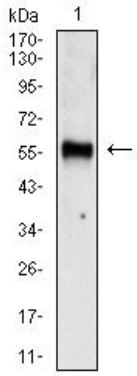
the neuroendocrine system. Two other peptides, catestatin and chromofungin, have antimicrobial activity and antifungal activity, respectively. Two transcript variants encoding different isoforms have been found for this gene.

Research Area

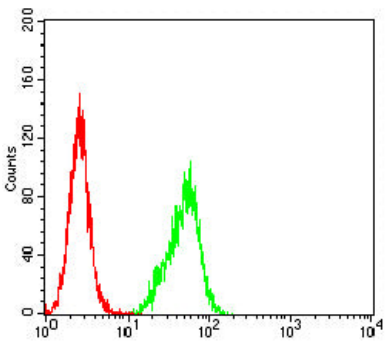
Image Data



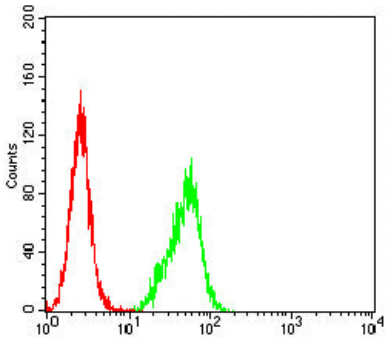
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



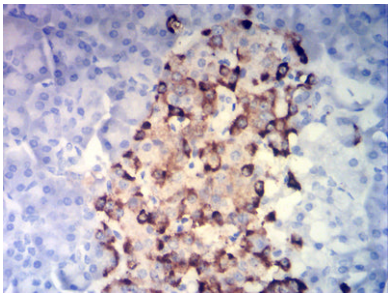
Western blot analysis using CHGA mouse mAb against SH-SY5Y (1) cell lysate.



Flow cytometric analysis of C6 cells using CHGA mouse mAb (green) and negative control (red).



Flow cytometric analysis of Hela cells using CHGA mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human pancreatic tissues using CHGA mouse mAb with DAB staining.