
Product Name: CHGA Mouse Monoclonal Antibody**Catalog #: AMM83027**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
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	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:20-1:50,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	50.7kDa

Antigen Information

Gene Name	CHGA
Alternative Names	CGA
Gene ID	1113.0
SwissProt ID	P10645
Immunogen	Purified recombinant fragment of human CHGA (AA: 87-252) expressed in E. Coli.

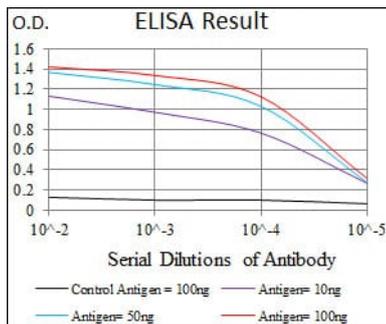
Background

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

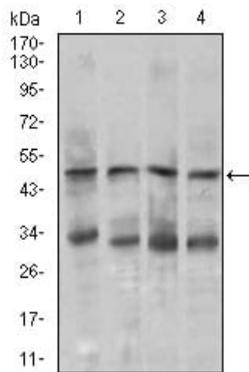
the neuroendocrine system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown.

Research Area

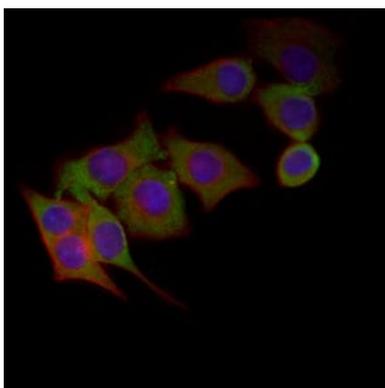
Image Data



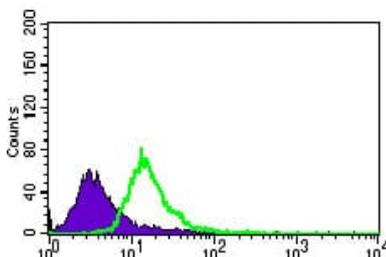
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using CHGA mouse mAb against MOLT4 (1), SK-N-SH (2), HepG2 (3), and PC-12 (4) cell lysate.



Immunofluorescence analysis of HepG2 cells using CHGA mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



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

