

CHGA Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2555
Host	Mouse
Isotype	Mouse IgG2b
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CHGA (AA: 278-457) expressed in E. Coli.
Mol wt	50kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CGA

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

WB: 1:500 - 1:2000

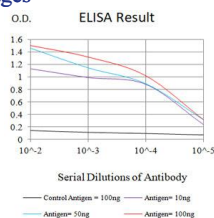
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

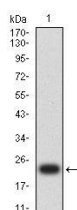
ELISA: 1:10000

Not yet tested in other applications.

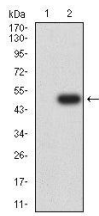
Images



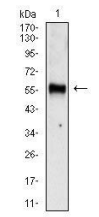
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



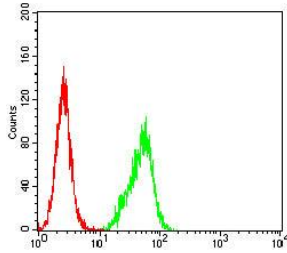
Western blot analysis using CHGA mAb against human CHGA (AA: 278-457) recombinant protein. (Expected MW is 23 kDa)



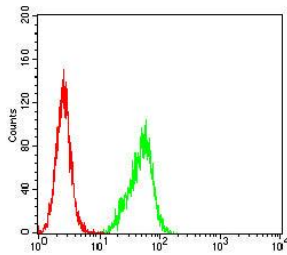
Western blot analysis using CHGA mAb against HEK293-6e (1) and CHGA (AA: 278-457)-hIgGFc transfected HEK293-6e (2) cell lysate.



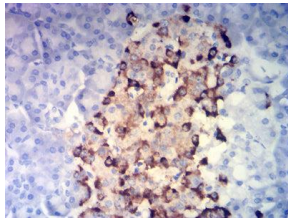
Western blot analysis using CHGA mouse mAb against SH-SY5Y (1) cell lysate.



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 pancreatic tissues using CHGA mouse mAb with DAB staining.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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