

Product datasheet for **UM500076CF**

Chromogranin A (CHGA) Mouse Monoclonal Antibody [Clone ID: UMAB109]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB109
Applications:	IHC, WB
Recommended Dilution:	IHC 1:200
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CHGA(NP_001266) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	48.9 kDa
Gene Name:	chromogranin A
Database Link:	NP_001266 Entrez Gene 1113 Human P10645



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Background:

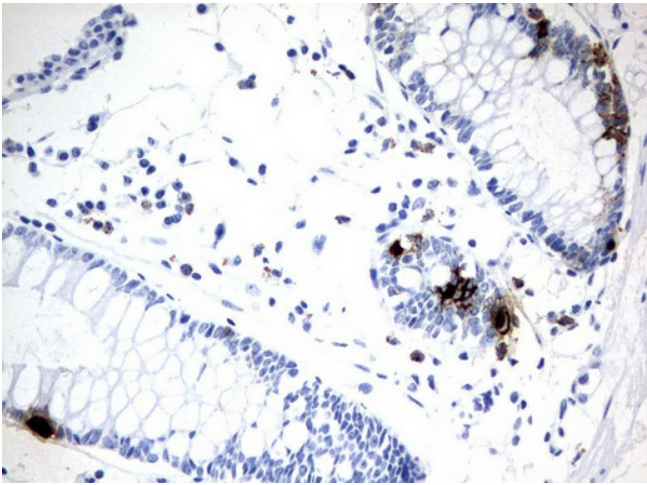
The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. 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. [provided by RefSeq, Jul 2008]

Synonyms:

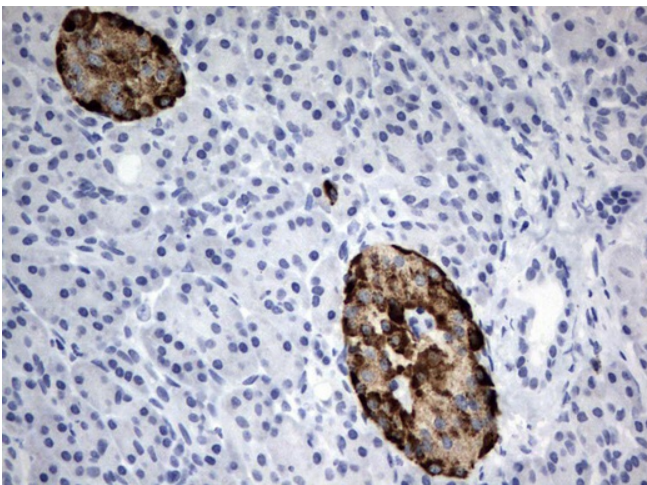
CGA

Protein Families:

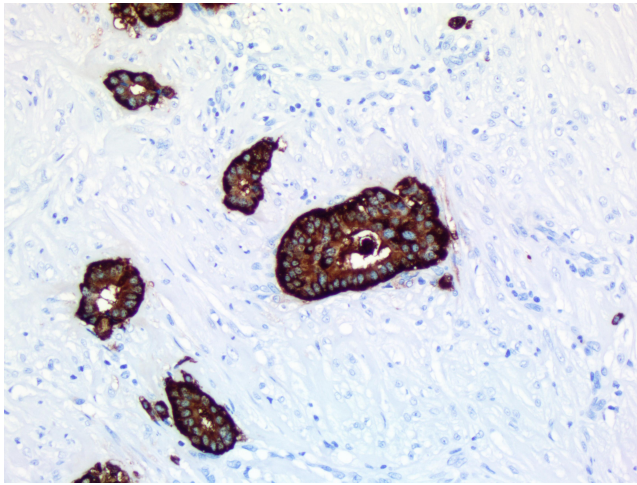
Druggable Genome, Secreted Protein

Product images:

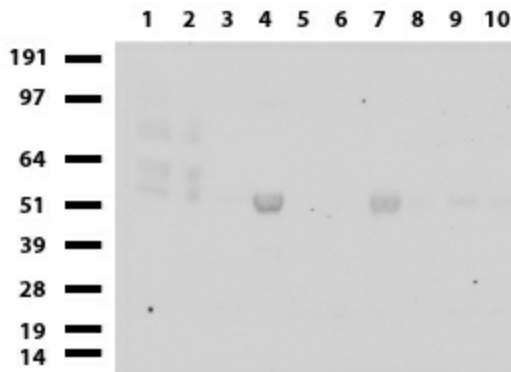
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-CHGA mouse monoclonal antibody. ([UM500076]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



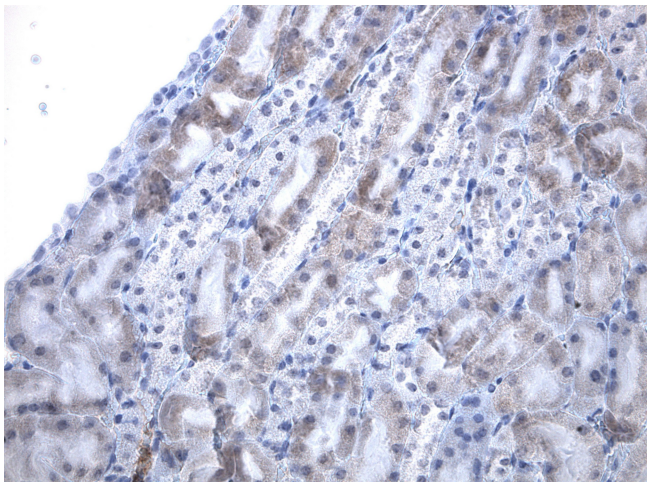
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-CHGA mouse monoclonal antibody. ([UM500076]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



Immunohistochemical staining of paraffin-embedded human carcinoid tumor using anti-CHGA clone UMAB109 mouse monoclonal antibody at 1:200 with Polink2 Broad HRP DAB detection kit ([UM500076]); heat-induced epitope retrieval with 1mM EDTA buffer, pH8.0 at 95-100C



Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Dilution: 1:250.



Immunohistochemical staining of paraffin-embedded mouse kidney using mouse anti-CGHA clone UMAB109 mouse monoclonal antibody. HIER TEE buffer ([B21-100]) (pH9) at 110C for 10 min, [UM500076] (1:100). Detection was done with Klear Mouse (C/N [D52-18]) DAB Chromogen Kit.