

## Product datasheet for **UM500076**

### 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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
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:	<a href="#">NP_001266</a> <a href="#">Entrez Gene 1113 Human</a> <a href="#">P10645</a>



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**Background:**

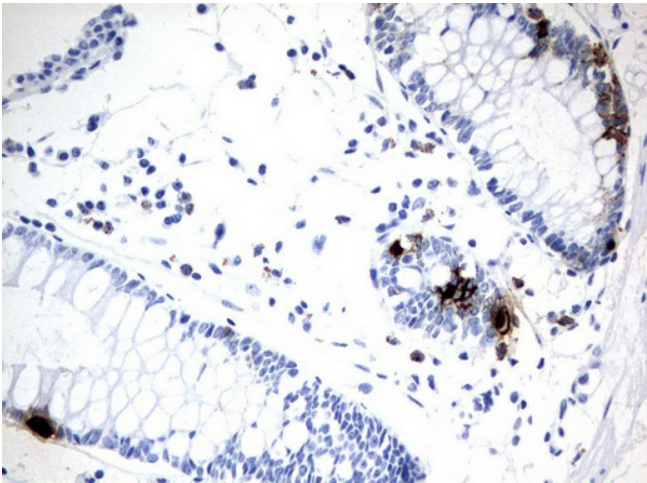
The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin.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

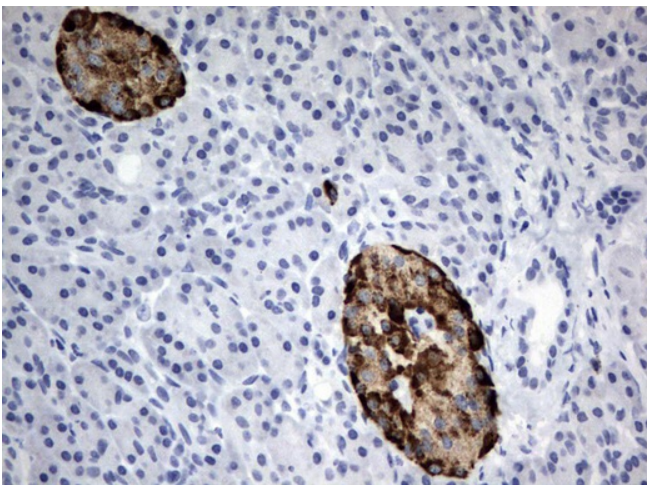
CGA

**Protein Families:**

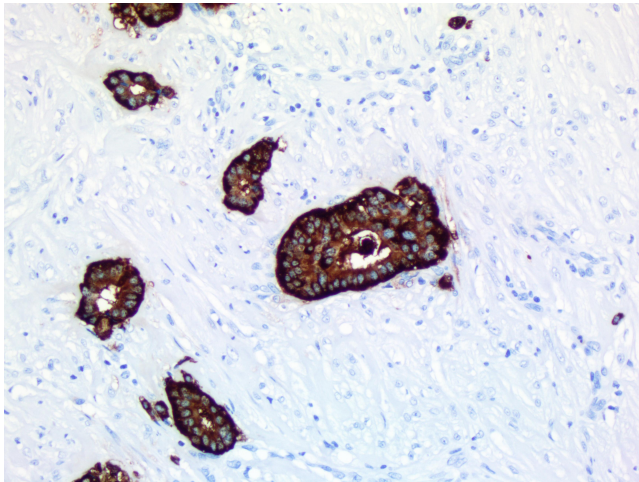
Druggable Genome, Secreted Protein

**Product images:**

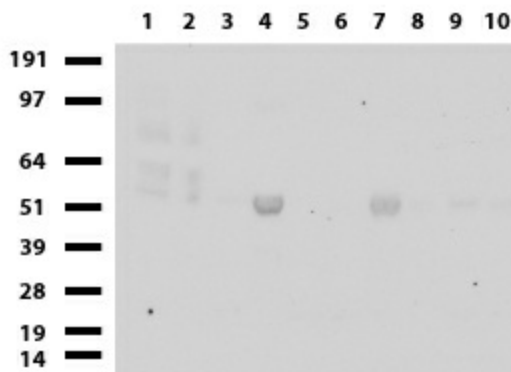
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-CHGA mouse monoclonal antibody. (UM500076; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



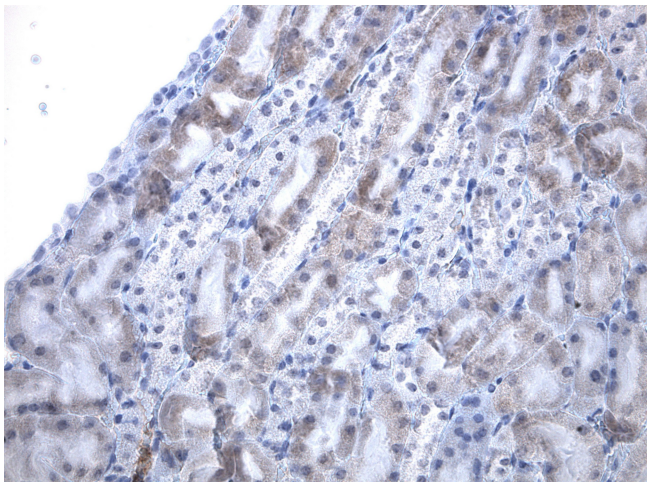
Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-CHGA mouse monoclonal antibody. (UM500076; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



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.