



TMA-validated antibodies

**Cat nr AE00359**

**Product Datasheet**

Rabbit Recombinant Antibody, AE380R to:

## CHGA

Chromogranin A; Chromogranin-A preproprotein; Pituitary secretory protein I, SP-1; CGA; CHGA; CMGA  
Precursor to: Vasostatin-1; Vasostatin I; Vasostatin-2; Vasostatin II; EA-92; ES-43; Pancreastatin; SS-18;  
WA-8; WE-14; LF-19; Catestatin; SL21; AL-11; GV-19; GR-44; ER-37; GE-25; Serpinin-RRG; Serpinin; p-Glu  
serpinin precursor

Cellular localization extracellular space, secretory vesicles, secreted

Official Symbol (Gene) CHGA  
GenelD 113  
SwissProt P10645

Confirmed Applications	IHC
Positive controls	adrenal gland medulla, pancreas, pituitary gland
Aeonian Rating©	90

Purification By Protein A from bioreactor concentrate

Formulation  0.2 mg IgG/ml in PBS with 0.5% BSA & 0.05% azide.  
 0.2 mg IgG/ml in PBS with 0.05% azide, without BSA.  
Amount  200ug  1000ug  
Isotype Rabbit IgG

Confirmed species reactivity Human  
Immunogen Recombinant full-length human CHGA protein

Epitope Unknown

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

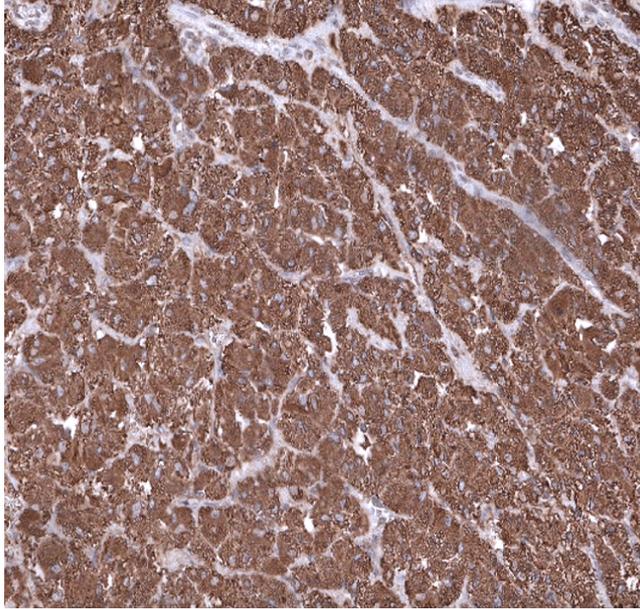
Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

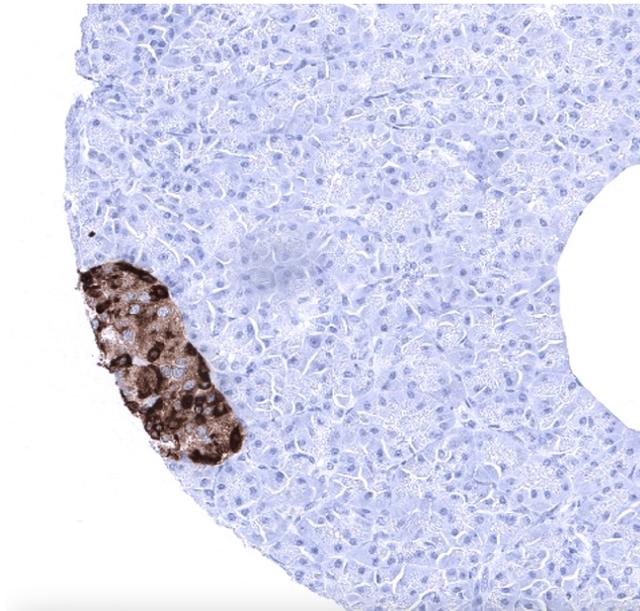
**Product data:**

**Immunohistochemistry (IHC):**

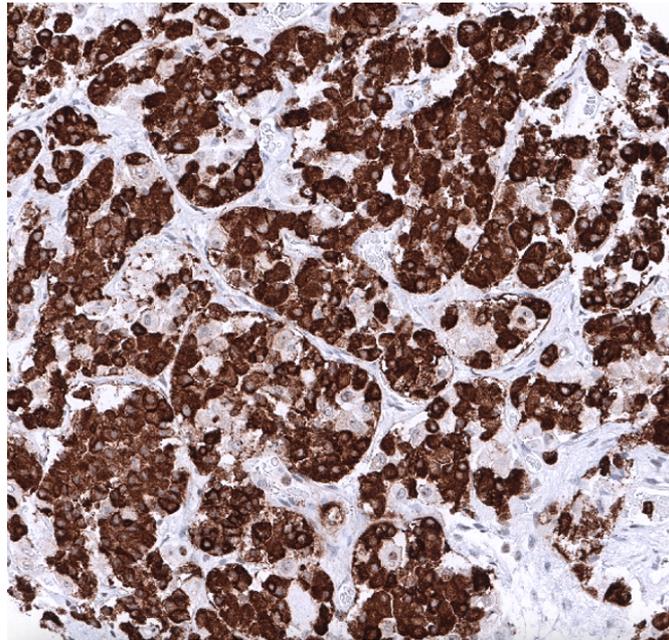
This product was successfully used to stain all cells of the medulla in human adrenal gland, pituitary gland anterior lobe, and the Islets of Langerhans cells in human pancreas sections. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human adrenal gland medulla stained with CHGA Rabbit Recombinant Antibody AE00359 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded human pancreas stained with CHGA Rabbit Recombinant Antibody AE00359 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded human pituitary gland anterior lobe stained with CHGA Rabbit Recombinant Antibody AE00359 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.

#### Tissue Microarray Validation:

##### Normal tissues

##### **Strong positive**

adrenal gland medulla  
pancreas islets  
parathyroid gland  
pituitary gland anterior lobe

##### **Weak to moderate**

duodenum neuroendocrine cells  
ileum neuroendocrine cells  
stomach neuroendocrine cells

##### **No staining at all**

adipose  
adrenal gland cortex  
aorta, media  
appendix mucosa  
appendix muscular wall  
bone marrow  
breast  
cerebellum  
cerebrum  
colon mucosa  
colon muscular wall  
duodenum Brunner gland  
ectocervix  
endocervix  
endometrium  
epididymis  
esophagus squamous epithelium  
fallopian tube  
gallbladder  
heart muscle  
kidney  
liver  
lung

lymph node  
 myometrium  
 ovarian stroma  
 parotid gland  
 pituitary gland posterior lobe  
 placenta  
 pregnant uterus  
 prostate  
 seminal vesicle  
 sinus paranasalis  
 spleen  
 testis  
 thymus  
 thyroid gland  
 tonsil  
 urinary bladder muscular wall  
 urothelium

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**Cancer tissues**

<b>Strong positive</b>	<b>Weak to moderate</b>	<b>No staining at all</b>
medullary thyroid cancer	basal cell carcinoma	lung adenocarcinoma
Merkel cell carcinoma	chromophobe renal cell carcinoma	prostate adenocarcinoma
pancreas neuroendocrine tumor	high-grade serous carcinoma	
pheochromocytoma	small cell lung carcinoma	
renal oncocytoma	stomach adenocarcinoma	
small cell carcinoma of the bladder		