10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Chromogranin A / CHGA Antibody
Recombinant Rabbit Monoclonal Antibody
Catalog # AH13109

Specification

Anti-Chromogranin A / CHGA Antibody - Product Information

Application	**IHC-P, IF, FC**
Primary Accession	P10645
Other Accession	150793
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal**
Isotype	**Rabbit / IgG, kappa**
Calculated MW	**50688**

Anti-Chromogranin A / CHGA Antibody - Additional Information

Gene ID 1113

Other Names
Beta-Granin; CGA; CHGA; Chromogranin A Parathyroid Secretory Protein 1; ER-37; Pancreastatin; Parastatin; Parathyroid Secretory Protein 1; Pituitary Secretory Protein I; SP-I; Vasostatin I or II

Application Note
IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

Format
200ug/ml of Ab purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Anti-Chromogranin A / CHGA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Chromogranin A / CHGA Antibody - Protein Information

Name CHGA

Function
[Pancreastatin]: Strongly inhibits glucose induced insulin release from the pancreas. [Serpinin]: Regulates granule biogenesis in endocrine cells by up-regulating the transcription of protease nexin 1 (SERPINE2) via a cAMP-PKA-SP1 pathway. This leads to inhibition of granule protein degradation in the Golgi complex which in turn promotes granule formation.

Cellular Location
[Serpinin]: Secreted {ECO:0000250|UniProtKB:P26339}. Cytoplasmic vesicle, secretory vesicle {ECO:0000250|UniProtKB:P26339}. Note=Pyroglutaminated serpinin localizes to secretory vesicle. {ECO:0000250|UniProtKB:P26339}

Tissue Location
Detected in cerebrospinal fluid (at protein level) (PubMed:25326458). Detected in urine (at protein level) (PubMed:37453717).

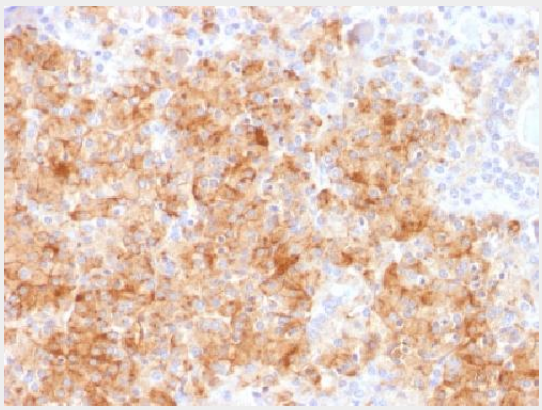
Anti-Chromogranin A / CHGA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Chromogranin A / CHGA Antibody - Images

Formalin-fixed, paraffin-embedded human Pancreas stained with Chromogranin A Recombinant Rabbit Monoclonal Antibody (CHGA/1731R)



Formalin-fixed, paraffin-embedded human Parathyroid stained with Chromogranin A Recombinant

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Rabbit Monoclonal Antibody (CHGA/1731R)

Anti-Chromogranin A / CHGA Antibody - Background

Chromogranin A is present in neuroendocrine cells throughout the body, including the neuroendocrine cells of the large and small intestine, adrenal medulla and pancreatic islets. It is an excellent marker for carcinoid tumors, pheochromocytomas, paragangliomas, and other neuroendocrine tumors. Co-expression of chromogranin A and neuron specific enolase (NSE) is common in neuroendocrine neoplasms. Reportedly, co-expression of certain keratins and chromogranin indicates neuroendocrine lineage. The presence of strong anti-chromogranin staining and absence of anti-keratin staining should raise the possibility of paraganglioma. The co-expression of chromogranin and NSE is typical of neuroendocrine neoplasms. Most pituitary adenomas and prolactinomas readily express chromogranin.