Rabbit anti-Human Chromogranin A/CHGA Polyclonal Antibody | anti-CHGA antibody

Anti-Chromogranin A/CHGA Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254168	**Rabbit**	**Human**	**Immunohistochemistry**

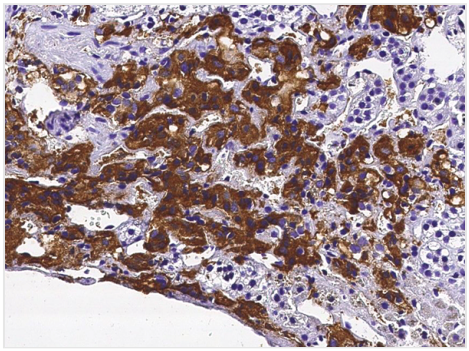
PRODUCT SYNONYMS

Chromogranin A/CHGA; Polyclonal Antibody; Anti-Chromogranin A/CHGA Antibody; Rabbit Polyclonal; Chromogranin A Antibody; Rabbit PAb; Antigen Affinity Purified; chromogranin A; Anti-CGA Antibody; anti-CHGA antibody

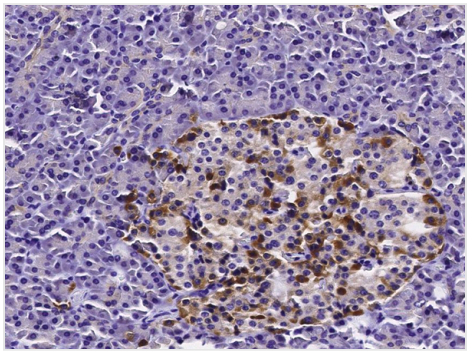
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Chromogranin A/CHGA
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CHGA antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the human Chromogranin A
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with A synthetic peptide corresponding to the N-terminus of the human Chromogranin A., and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human ChromograninA in human adrenal gland with rabbit polyclonal antibody (1:20000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human ChromograninA in human pancreas with rabbit polyclonal antibody (1:20000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CHGA antibody	The acidic glycoprotein chromogranin A (CHGA) is co-stored/co-secreted with catecholamines and crucial for secretory vesicle biogenesis in neuronal/neuroendocrine cells. CHGA is dysregulated in several cardiovascular diseases, but the underlying mechanisms are not well established. The CHGA promoter haplotype 2 (occurring in a large proportion of the world population) in enhancing CHGA expression in haplotype 2 carriers who may be at higher risk for cardiovascular/metabolic disorders. Chromogranin A (CHGA) plays a fundamental role in the biogenesis of catecholamine secretory granules. Changes in storage and release of CHGA in clinical and experimental hypertension prompted us to study whether genetic variation at the CHGA locus might contribute to alterations in autonomic function, and hence hypertension and its target organ consequences such as hypertensive renal disease (nephrosclerosis). Chromogranin A (CHGA) plays a catalytic role in formation of catecholamine storage vesicles and also serves as precursor to the peptide fragment catestatin, a catecholamine secretory inhibitor whose expression is diminished in the hypertensive individuals. The chromogranin/secretogranin proteins are costored and coreleased with catecholamines from secretory vesicles in chromaffin cells and noradrenergic neurons. Chromogranin A (CHGA) regulates catecholamine storage and release through intracellular (vesiculogenic) and extracellular (catecholamine release-inhibitory) mechanisms. CHGA is a candidate gene for autonomic dysfunction syndromes, including intermediate phenotypes that contribute to human hypertension.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502805
NCBI GeneID	1113
NCBI Accession #	NP_001266.1
NCBI GenBank Nucleotide #	NM_001275.3
UniProt Accession #	P10645; Q53FA8; Q6NR84; Q96E84; Q96GL7; Q9BQB5; B2R9E9
Molecular Weight	50,688 Da
NCBI Official Full Name	chromogranin-A preproprotein
NCBI Official Synonym Full Names	chromogranin A (parathyroid secretory protein 1)
NCBI Official Symbol	CHGA
NCBI Official Synonym Symbols	CGA
NCBI Protein Information	chromogranin-A; SP-I; pituitary secretory protein I; parathyroid secretory protein 1; betagranin (N-terminal fragment of chromogranin A)
UniProt Protein Name	Chromogranin-A
UniProt Gene Name	**CHGA**
UniProt Synonym Gene Names	CgA; SP-I
UniProt Entry Name	CMGA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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