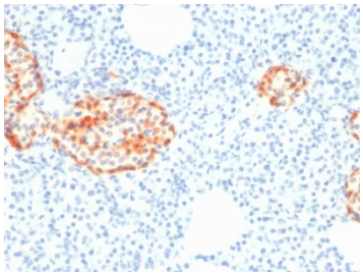
Recombinant Chromogranin A Antibody [clone rCHGA/798] (V3766)

Catalog No.	Formulation	Size
V3766-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3766-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3766SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

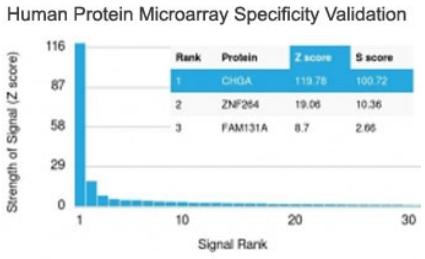
Recombinant MOUSE MONOCLONAL

Bulk quote request

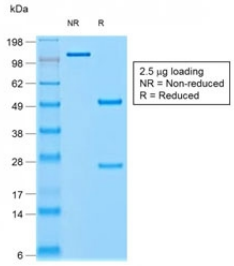
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCHGA/798
Purity	Protein G affinity chromatography
UniProt	P10645
Localization	Finely granular cytoplasmic
Applications	Immunohistochemistry (FFPE): 0.25-0.5ug/ml for 30 min at RT
Limitations	This recombinant Chromogranin A antibody is available for research use only.



IHC staining of FFPE human pancreas with recombinant Chromogranin A antibody (clone rCHGA/798). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant Chromogranin A antibody (clone rCHGA/798). These results demonstrate the foremost specificity of the rCHGA/798 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free recombinant Chromogranin A antibody (clone rCHGA/798) as confirmation of integrity and purity.

Description

Recombinant Chromogranin A antibody is a reliable reagent for detecting chromogranin A, a secretory protein encoded by the CHGA gene and expressed in neuroendocrine cells. Chromogranin A resides in dense-core secretory granules, where it contributes to the packaging, storage, and release of peptide hormones and neuropeptides. Because of its wide expression in endocrine tissues and tumors, chromogranin A is extensively studied in endocrinology, neuroscience, and oncology.

Chromogranin A undergoes proteolytic cleavage to yield biologically active peptides such as vasostatin, pancreastatin, and catestatin. These fragments regulate cardiovascular activity, glucose metabolism, and neuronal signaling, illustrating the diverse functions of this protein. Elevated chromogranin A levels in plasma serve as a biomarker for neuroendocrine tumors, pheochromocytomas, and paragangliomas, making it clinically significant.

The Recombinant Chromogranin A antibody clone rCHGA/798 ensures reproducible and specific detection of this protein. Recombinant production eliminates batch-to-batch variability, providing consistent performance in sensitive applications. Clone rCHGA/798 has been employed in neuroendocrine research, cancer diagnostics, and hormone regulation studies. It has been cited in peer-reviewed publications exploring neuroendocrine tumor classification and hormone processing pathways, confirming its value in both basic and clinical research.

Research using clone rCHGA/798 has clarified how chromogranin A participates in granule biogenesis, peptide processing, and secretion. Its detection continues to support translational work where chromogranin A is used as a diagnostic marker and as a tool for monitoring therapeutic response. This antibody also aids in mapping neuroendocrine differentiation in tumors of uncertain origin, providing insight into disease classification.

NSJ Bioreagents supplies this Recombinant Chromogranin A antibody to support research in neuroendocrine biology, hormone regulation, and oncology. The protein is also known as CHGA antibody, secretory granule protein antibody, parathyroid secretory protein 1 antibody, and neuroendocrine tumor marker antibody, reflecting the broad range of names encountered in the literature.

This Chromogranin A antibody is part of a broader CHGA antibody panel offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the recombinant Chromogranin A antibody should be determined by the researcher.

Immunogen

Recombinant human full-length protein was used as the immunogen for the recombinant Chromogranin A antibody.

Storage

Store the recombinant Chromogranin A antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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