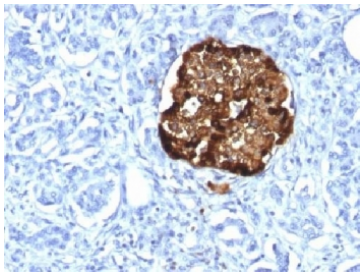
Recombinant Chromogranin A Antibody / Rabbit Monoclonal [clone CHGA/1815R] (V3825)

Catalog No.	Formulation	Size
V3825-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3825-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3825SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

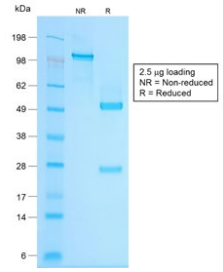
Recombinant RABBIT MONOCLONAL

Bulk quote request

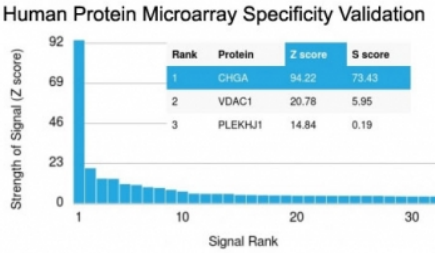
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CHGA/1815R
Purity	Protein A affinity chromatography
UniProt	P10645
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This recombinant Chromogranin A antibody is available for research use only.



IHC analysis of FFPE human pancreas stained with recombinant Chromogranin A antibody (clone CHGA/1815R). Required HIER: steam sections in pH6 citrate buffer for 10-20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Chromogranin A antibody (clone CHGA/1815R) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Chromogranin A antibody (clone CHGA/1815R). These results demonstrate the foremost specificity of the CHGA/1815R mAb.

Description

Recombinant Chromogranin A antibody provides a reliable method to study chromogranin A, a secretory granule protein encoded by the CHGA gene. Chromogranin A resides in neuroendocrine tissues such as the adrenal medulla, pituitary, and pancreas, where it regulates hormone packaging and secretion. Because of its role in neuroendocrine signaling and tumor biology, it remains a valuable target in endocrinology and oncology research.

Beyond its structural function in dense-core vesicles, chromogranin A serves as the precursor for several bioactive peptides, including pancreastatin and catestatin. These peptides regulate processes ranging from insulin secretion to cardiovascular function. Dysregulation of chromogranin A expression and processing has been implicated in metabolic disease, hypertension, and cancer, broadening its relevance beyond endocrinology.

The Recombinant Chromogranin A antibody clone CHGA/1815R delivers precise and reproducible detection. Recombinant production ensures consistent performance across experimental systems, eliminating variability between lots. Clone CHGA/1815R has been cited in peer-reviewed publications examining chromogranin A as a neuroendocrine tumor biomarker and as a regulator of secretory granule function. Its inclusion in published work highlights its importance as a dependable antibody for research and diagnostic applications.

Research using clone CHGA/1815R has provided insights into how chromogranin A levels can inform disease monitoring. Circulating chromogranin A has diagnostic utility for detecting neuroendocrine tumors and assessing tumor burden, while tissue expression patterns contribute to classification and prognosis. This antibody continues to advance understanding of neuroendocrine biology, peptide regulation, and cancer pathology.

NSJ Bioreagents supplies this Recombinant Chromogranin A antibody to facilitate research into endocrine signaling and tumor diagnostics. Chromogranin A is also referred to as CHGA antibody, neuroendocrine secretory protein antibody, dense-core granule protein antibody, and parathyroid secretory glycoprotein antibody, reflecting its diverse roles in research 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 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).