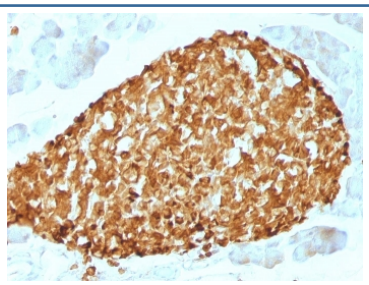
Chromogranin A Antibody [clone CHGA/798] (V2458)

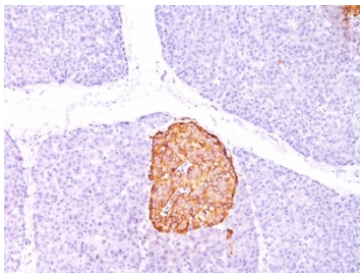
Catalog No.	Formulation	Size
V2458-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2458-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2458SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2458IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

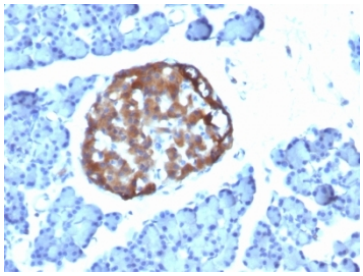
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CHGA/798
Purity	Protein G affinity chromatography
UniProt	P10645
Localization	Finely granular cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Chromogranin A antibody is available for research use only.



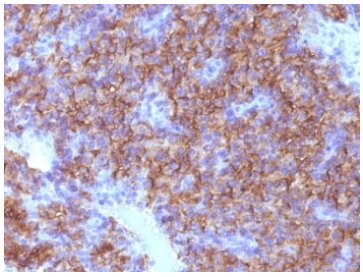
IHC staining of FFPE human pancreas tissue with Chromogranin A antibody (clone CHGA/798). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



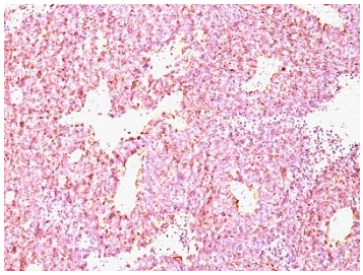
IHC: Formalin-paraffin human pancreas stained with Chromogranin A antibody (CHGA/798)



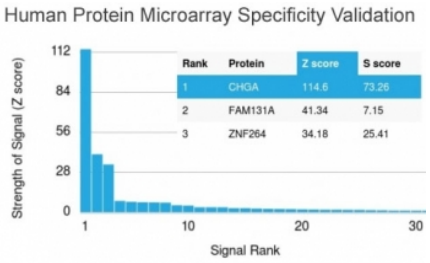
IHC: Formalin-paraffin rat pancreas stained with Chromogranin A antibody (CHGA/798)



IHC: Formalin-fixed, paraffin-embedded human parathyroid stained with Chromogranin A antibody (CHGA/798)

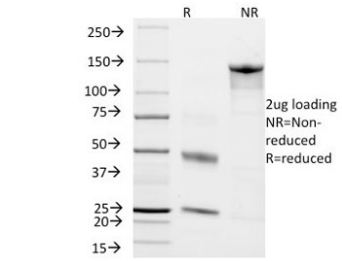


Chromogranin A Antibody SC Lung Carcinoma IHC. Immunohistochemistry staining of formalin-paraffin human SC lung carcinoma with Chromogranin A antibody (clone CHGA/798).

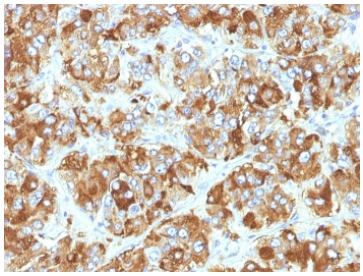


Chromogranin A Antibody Microarray Specificity Validation. Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Chromogranin A antibody (clone CHGA/798). These results demonstrate the foremost specificity of the CHGA/798 mAb.

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 Chromogranin A antibody (clone CHGA/798) as confirmation of integrity and purity.



IHC: Formalin-fixed, paraffin-embedded human adrenal gland stained with Chromogranin A antibody (CHGA/798)

Description

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.

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

Application Notes

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

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant human protein was used as the immunogen for the Chromogranin A antibody.

Storage

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

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