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anti-Chromogranin A antibody





Overview

Quantity:	100 μg
Target:	Chromogranin A (CHGA)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Chromogranin A antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:

Clone:	CGA-413
Isotype:	IgG2b kappa
Specificity:	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.

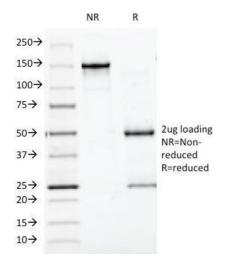
Recombinant full-length human chromogranin A protein

Product Details No Cross-Reactivity: Rat (Rattus) Purification: Purified by Protein A/G Target Details Target: Chromogranin A (CHGA) Alternative Name: **CHGA (CHGA Products)** Molecular Weight: 68-75kDa Gene ID: 1113 UniProt: P10645 Negative Regulation of Hormone Secretion, cAMP Metabolic Process, Regulation of G-Protein Pathways: Coupled Receptor Protein Signaling **Application Details Application Notes:** Positive Control: PC12 cells. Adrenal gland, bowel, thyroid, pancreas or pheochromocytoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.25-0.5 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined. Restrictions: For Research Use only Handling Concentration: 200 μg/mL 10 mM PBS with 0.05 % BSA & 0.05 % azide. Buffer: Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. 4 °C,-80 °C Storage: Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous. No MSDS required.

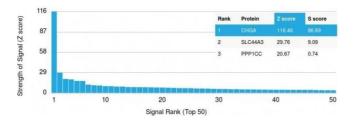
24 months

Expiry Date:



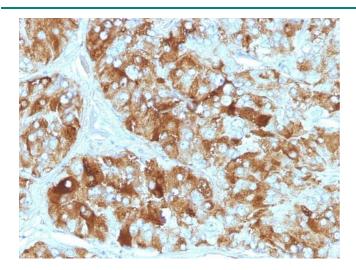
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Chromogranin A Monoclonal Antibody (CGA/413). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Chromogranin A (CHGA) Mouse Monoclonal Antibody (CHGA/413) Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Adrenal Gland stained with Chromogranin A Monoclonal Antibody (CGA/413)

Please check the product details page for more images. Overall 6 images are available for ABIN6939135.