

Mouse Chromogranin A/CHGA Monoclonal Antibody | anti-CHGA antibody

Chromogranin A/CHGA (Neuroendocrine Marker)

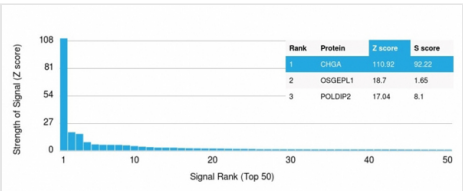
CATALOG # AAA62927	HOST Mouse	REACTIVITY Human.Does not react with rat. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

Chromogranin A/CHGA; Monoclonal Antibody; Chromogranin A/CHGA (Neuroendocrine Marker); Beta-Granin; CGA; CHGA; Chromogranin A Parathyroid Secretory Protein 1; ER-37; Pancreastatin; Parastatin; Parathyroid Secretory Protein 1; Pituitary Secretory Protein I; SP-I; Vasostatin I or II; anti-CHGA antibody

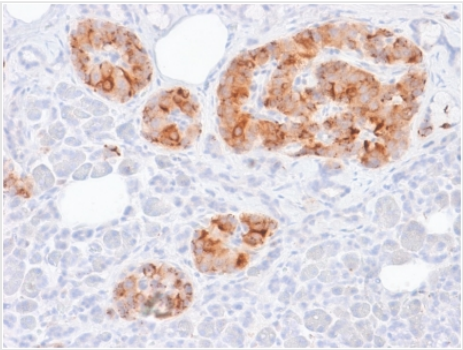
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Does not react with rat. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	rCHGA/413
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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	457
Applicable Applications for anti-CHGA antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant full-length human CHGA protein
Cellular Localization	Finely granular Cytoplasmic
Hu-chromosome Location	14q32.12
Positive Control	PC12 cells. Adrenal gland, bowel, thyroid, pancreas, or pheochromocytoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

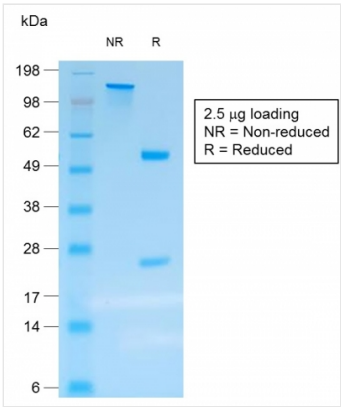


Application Data

Analysis of Protein Array containing >19, 000 full-length human proteins using Chromogranin A Recombinant Mouse Monoclonal Antibody (rCHGA/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 HuProt™ 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 HuProt™ 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.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with Chromogranin A Mouse Recombinant Monoclonal Antibody (rCHGA/413).



SDS-PAGE
SDS-PAGE Analysis of Purified Chromogranin A Mouse Recombinant Monoclonal Antibody (rCHGA/413).

ADDITIONAL INFORMATION

References	Lloyd RV et. al. Am J Pathol 1988; 130:296-304. Konecki DS et. al. J Biol Chem 1987; 262:17026-30.
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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	68-75kDa
NCBI Official Full Name	chromogranin-A isoform 1 preproprotein
NCBI Official Synonym Full Names	chromogranin A
NCBI Official Symbol	CHGA
NCBI Official Synonym Symbols	CGA
NCBI Protein Information	chromogranin-A

UniProt Protein Name	Chromogranin-A
UniProt Gene Name	CHGA
UniProt Synonym Gene Names	CgA; SP-I

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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/chromogranin-a-chga-antibody-clone-rchga-413-immunohistochemistry-elisa/62927>