

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

Chromogranin A / CHGA (Neuroendocrine Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62559	Mouse	Human, Monkey, Pig, Mouse, Rat. Does not react with Guinea Pig, Sheep and Rabbit	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

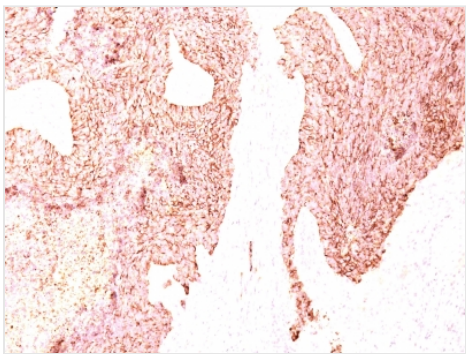
PRODUCT SYNONYMS

Chromogranin A / CHGA; Monoclonal Antibody; Chromogranin A / CHGA (Neuroendocrine Marker) Mouse Monoclonal Antibody; 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

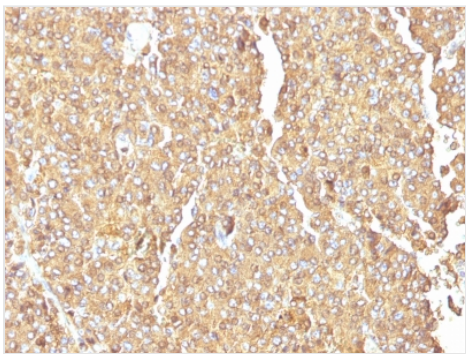
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Monkey, Pig, Mouse, Rat. Does not react with Guinea Pig, Sheep and Rabbit
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	LK2H10
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), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Finely granular Cytoplasmic
Immunogen	Human pheochromocytoma
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. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Small Cell Lung Carcinoma stained with Chromogranin A Monoclonal Antibody (LK2H10)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Adrenal Gland stained with Chromogranin A Monoclonal Antibody (LK2H10)

ADDITIONAL INFORMATION

References	Bruke, et. al. Am J Surg Pathol 13: 828, 1989. Delagi, et. al. Mol Cell Probe 3: 87, 1989. Lloyd RV, et. al. Science, 1983, 222:628-30.
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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
UniProt Entry Name	CMGA_HUMAN

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.