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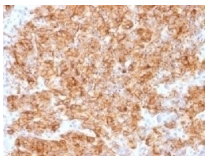
Recombinant Chromogranin A Antibody [CHGA/1773R]

Cat. No.: 33-783



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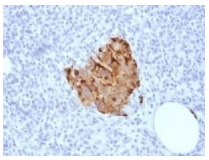

IHC analysis of FFPE human pancreas stained with recombinant Chromogranin A antibody (clone CHGA/1773R). Required HIER: steam sections in pH6 citrate buffer for 10-20 min.

Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human
IMMUNOGEN:	Recombinant human protein was used as the immunogen for the recombinant Chromogranin A antibody.
TESTED APPLICATIONS:	Flow, IF, IHC-P

APPLICATIONS:	Flow Cytometry: 0.5-1 ug/million cells in 0.1ml Immunofluorescence: 1-2 ug/ml Immunohistochemistry (FFPE): 0.25-0.5 ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1) Optimal dilution of the recombinant Chromogranin A antibody should be determined by the researcher. 1. 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.
SPECIFICITY:	Does not react with rat

Properties

PURIFICATION:	Protein A affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG, kappa
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8˚C. Avoid freez-thaw cycles.

Additional Info

OFFICIAL SYMBOL:	CHGA
ALTERNATE NAMES:	Chromogranin-A, CgA, Pituitary secretory protein I, SP-I, Vasostatin-1, Vasostatin I, Vasostatin-2, Vasostatin II, EA-92, ES-43, Pancreastatin, SS-18, WA-8, WE-14, LF-19, AL-11, GV-19, GR-44, ER-37, CHGA
GENE ID:	1113
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Background and References

BACKGROUND:	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.

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