

ARG63979 anti-Chromogranin A precursor antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Chromogranin A precursor
Tested Reactivity	Hu
Tested Application	FACS, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Chromogranin A precursor
Species	Human
Immunogen	C-QGAKERAHQKKH
Conjugation	Un-conjugated
Alternate Names	Vasostatin II; CGA; Vasostatin I; Pituitary secretory protein I; SP-I; CgA; SL21; Chromogranin-A

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	1 - 2 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

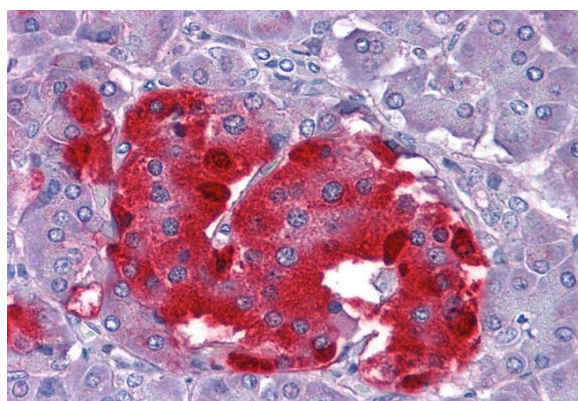
Database links	GeneID: 1113 Human Swiss-port # P10645 Human
Background	The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Other peptides, including chromostatin, beta-granin, WE-14 and GE-25, are also derived from the full-length protein. However, biological activities for these molecules have not been shown. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Controls and Markers antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	51 kDa
PTM	Sulfated on tyrosine residues and/or contains sulfated glycans. O-glycosylated with core 1 or possibly core 8 glycans. Proteolytic processing gives rise to an additional longer form of catestatin (residues 358-390) which displays a less potent catecholamine release-inhibitory activity (PubMed:10781584). Plasmin-mediated proteolytic processing can give rise to additional shorter and longer forms of catestatin peptides (PubMed:17991725).

Images



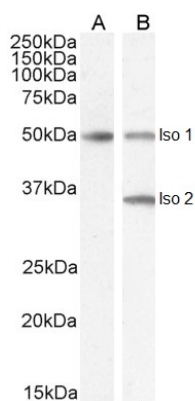
ARG63979 anti-Chromogranin A precursor antibody WB image

Western Blot: human kidney lysate (35 µg protein in RIPA buffer) stained with ARG63979 anti-Chromogranin A precursor antibody at 0.1 µg/ml dilution.



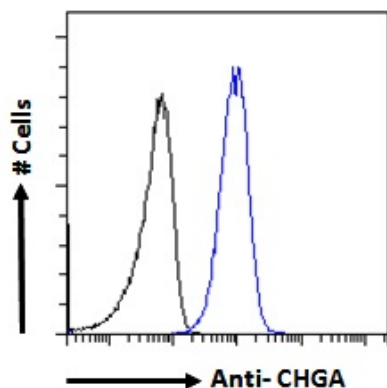
ARG63979 anti-Chromogranin A precursor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreas tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63979 anti-Chromogranin A precursor antibody at 3.75 µg/ml dilution followed by AP-staining.



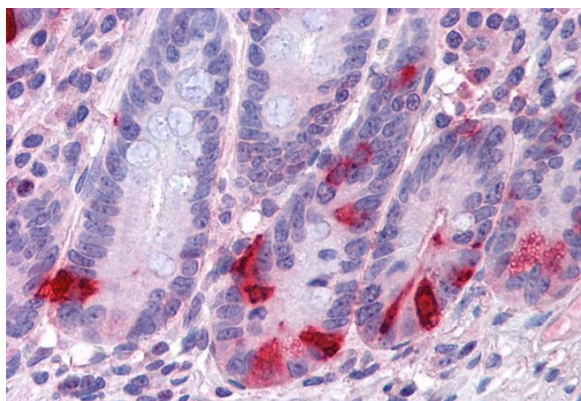
ARG63979 anti-Chromogranin A precursor antibody WB image

Western blot: 35 µg of Human brain lysate (A) and isoform 1+2 (B) (in RIPA buffer) stained with ARG63979 anti-Chromogranin A precursor antibody at 2 µg/ml dilution and incubated at RT for 1 hour.



ARG63979 anti-Chromogranin A precursor antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed A549 cells permeabilized with 0.5% Triton. Cells were stained with ARG63979 anti-Chromogranin A precursor antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63979 anti-Chromogranin A precursor antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63979 anti-Chromogranin A precursor antibody at 3.75 µg/ml dilution followed by AP-staining.