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Datasheet for ABIN951517

anti-Chromogranin A antibody (C-Term)

4 Images

1 Publication

Overview

Quantity:	0.4 mL
Target:	Chromogranin A (CHGA)
Binding Specificity:	AA 383-412, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Chromogranin A antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 383-412 amino acids from the C-terminal region of human CMGA
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CMGA.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	Chromogranin A (CHGA)
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Target Details

Alternative Name:	Chromogranin A (CHGA Products)
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. Synonyms: CHGA, CgA, Chromogranin-A, Pituitary secretory protein I, SP-I
Molecular Weight:	50688 Da
Gene ID:	1113
NCBI Accession:	NP_001266
Pathways:	Negative Regulation of Hormone Secretion , cAMP Metabolic Process , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Product cited in:

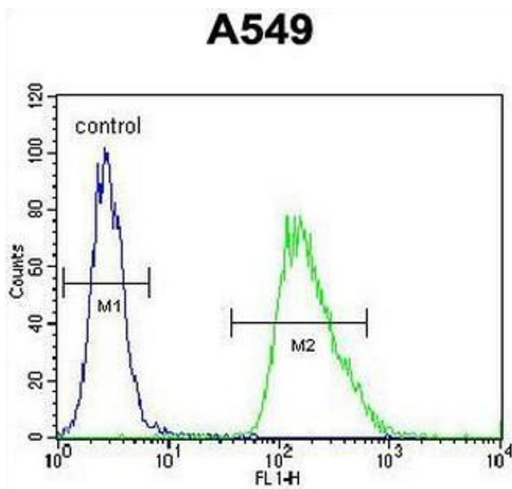
Shi, Duan, Liu, Zhou, Liang: "Genetic alterations and protein expression in combined small cell lung cancers and small cell lung cancers arising from lung adenocarcinomas after therapy with tyrosine kinase inhibitors." in: **Oncotarget**, Vol. 7, Issue 23, pp. 34240-9, (2018) ([PubMed](#)).

Images



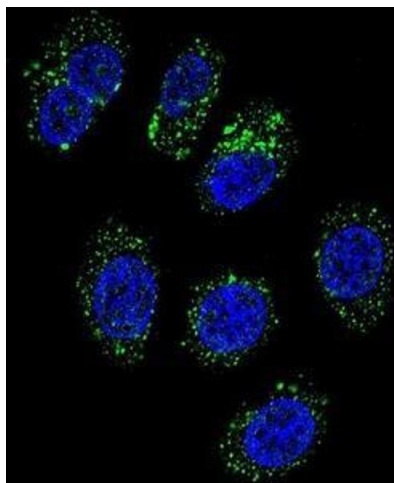
Western Blotting

Image 1. CMGA Antibody (C-term) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the CMGA antibody detected the CMGA protein (arrow).



Flow Cytometry

Image 2. CMGA Antibody (C-term) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 3. Confocal immunofluorescent analysis of CMGA Antibody (C-term)(Cat#AP50981PU-N) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN951517.