Chr-A (158-457): sc-4363 WB



The Power to Question

BACKGROUND

Chromogranins, also referred to as secretogranins, constitute a family of acidic glycoproteins that are widely expressed within secretory granules of endocrine, neuroendocrine and neuronal tissue. These include chromogranin A (Chr-A), chromogranin B (secretogranin I) and chromogranin C (secretogranin II) with molecular weights of 48, 76 and 67 kDa, respectively. High levels of chromogranin A expression are characteristic of most neuroendocrine tumors. Pancreastatin is a peptide derived from chromogranin A which inhibits insulin secretion, exocrine pancreatic secretion and gastric acid secretion. Pancreastatin is found in two forms. The major form, which is composed of 92 amino acids, is expressed in stomach and colon extracts. In neuroendocrine cells the level of chromogranin C has been shown to increase four-fold in response to histamine, while levels of chromogranin A and B showed little or no increase.

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SOURCE

Chr-A (158-457) is expressed in *E. coli* as a 60 kDa tagged fusion protein corresponding to amino acids 158-457 of chromogranin A of human origin.

PRODUCT

Chr-A (158-457) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Chr-A (158-457) is suitable as a Western blotting control for sc-1488 and sc-13090.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

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