

Product datasheet for **AP23363PU-N**

Secretogranin 3 (SCG3) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: At 1-2µg/ml with the appropriate system to detect SCG3 in cells and tissues. Immunohistochemistry on paraffin sections: At 0.5-1µg/ml to detect SCG3 in formalin fixed and paraffin embedded tissues. Immunohistochemistry on frozen sections: At 0.5-1µg/ml to detect SCG3 in formalin or acetone fixed tissues.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a sequence near the C-terminal of human SCG3
Specificity:	This antibody detects Secretogranin-3 (SCG3) at C-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	secretogranin III
Database Link:	Entrez Gene 20255 Mouse Entrez Gene 116635 Rat Entrez Gene 29106 Human Q8WXD2



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Background:

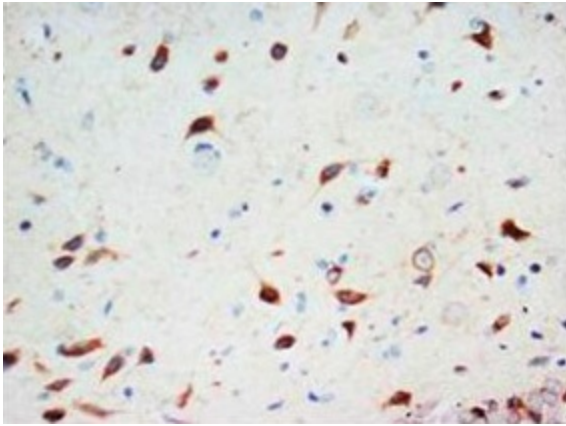
SCG3 (secretogranin III) is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Genetic variations in the SCG3 gene may influence the risk of obesity through possible regulation of hypothalamic neuropeptide secretion. SCG3 was the only gene within a haplotype block that contained rs3764220. SCG3 mRNA and immunoreactivity were detected in the paraventricular nucleus, lateral hypothalamic area, and arcuate nucleus, and the protein coexisted with orexin, melanin-concentrating hormone, neuropeptide Y, and proopiomelanocortin. SCG3 formed a granule-like structure together with these neuropeptides.

Synonyms:

Secretogranin III, Sg-III, SgIII

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Immunohistochemical analysis of paraffin-embedded rat tissue sections (brain), staining SCG3 in cytoplasm, DAB chromogenic reaction