

For Research Use Only

# Secretogranin II Polyclonal antibody

Catalog Number: 20357-1-AP

11 Publications



## Basic Information

<b>Catalog Number:</b> 20357-1-AP	<b>GenBank Accession Number:</b> BC022509	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7857	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P13521	
<b>Isotype:</b> IgG	<b>Full Name:</b> secretogranin II (chromogranin C)	
<b>Immunogen Catalog Number:</b> AG14215	<b>Calculated MW:</b> 617 aa, 71 kDa	
	<b>Observed MW:</b> 71 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, ELISA

**Cited Applications:**  
WB, IHC, IF, CoIP

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : SH-SY5Y cells,

IHC : mouse pancreas tissue, human prostate cancer tissue

IF-P : mouse pancreas tissue,

## Background Information

SCG2, also known as secretogranin II or Chromogranin C, is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is widely distributed in nervous and endocrine tissues, and abundant in neuroendocrine granules. In the brain secretogranin II is almost completely processed to secretoneurin, a peptide involved in neurite outgrowth, neuroprotection and neuronal plasticity.

## Notable Publications

Author	Pubmed ID	Journal	Application
Omer Revah	36224417	Nature	IHC
Tian Wang	35263606	Cell Rep	WB
Hufei Wang	35836930	Front Mol Biosci	IHC

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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## Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 20357-1-AP (Secretogranin II antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 20357-1-AP (Secretogranin II antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using 20357-1-AP (Secretogranin II antibody), at dilution of 1:100 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).