SCG3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SCG3, Polyclonal Antibody
Full Product Name	SCG3, CT (SCG3, Secretogranin-3, Secretogranin III) (MaxLight 750)
Product Gene Name	anti-SCG3 antibody
Product Synonym Names	SCG3; Secretogranin-3; Secretogranin III
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	26,909 Da
OMIM	611796
3D Structure	ModBase 3D Structure for Q8WXD2
Immunogen	SCG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 377-406 amino acids from the C-terminal region of human SCG3.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-SCG3 antibody	Antibodies; Secretogranin
Applications Tested/Suitable for anti-SCG3 antibody	Western Blot (WB), FLISA
Application Notes for anti-SCG3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SCG3 antibody	The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Granins may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown. Two transcript variants encoding different isoforms have been found for this gene.
Product References and Citations for anti-SCG3 antibody	Li, X., et al. J. Allergy Clin. Immunol. 125(2):328-335(2010). He, C., et al. Clin. Chim. Acta 402 (1-2), 102-106 (2009): Stridsberg, M., et al. Regul. Pept. 148 (1-3), 95-98 (2008): Tanabe, A., et al. J. Clin. Endocrinol. Metab. 92(3):1145-1154(2007). Sakai, Y., et al. Arch. Histol. Cytol. 67(1):57-64(2004).
Other Notes	Small volumes of anti-SCG3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SCG3 purchase	MBS6345281 is an antibody targeting SCG3. Also known as SCG3, CT (SCG3, Secretogranin-3, Secretogranin III) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SCG3. It may not necessarily be applicable to this product.

NCBI GI #	19557645
NCBI GeneID	29106
NCBI Accession #	NP_037375.2
NCBI Related Accession #	NP_001158729.1
UniProt Primary Accession #	Q8WXD2
UniProt Secondary Accession #	Q96C83; Q96GE8; Q9Y6G7; A8K2B0; B3KQP6; B4DK99; F5H3R8
UniProt Related Accession #	Q8WXD2
GenBank Nucleotide #	NM_013243.3
NCBI Official Full Name	secretogranin-3 isoform 1
NCBI Official Synonym Full Names	secretogranin III
NCBI Official Symbol	SCG3
NCBI Official Synonym Symbols	SGIII
UniProt Protein Name	Secretogranin-3
UniProt Synonym Protein Names	Secretogranin III; SgIII
Protein Family	Secretogranin
UniProt Gene Name	SCG3
UniProt Synonym Gene Names	SgIII
UniProt Entry Name	SCG3_HUMAN
NCBI Protein Information	secretogranin-3
UniProt Comments for SCG3	SCG3: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 15q21 Cellular Component: extracellular region Biological Process: platelet activation; platelet degranulation; blood coagulation
Research Articles on SCG3	**1.** HBXIP facilitates the proliferation of hepatoma cells by up-regulating SCG3 via E2F1 and miR-509-3p modulation.
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