

SDCG3 Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP4823a

Specification

SDCG3 Blocking Peptide (N-term) - Product Information

Primary Accession

[Q96C92](#)**SDCG3 Blocking Peptide (N-term) - Additional Information**

Gene ID 10807

Other Names

Serologically defined colon cancer antigen 3, Antigen NY-CO-3, SDCCAG3

Target/Specificity

The synthetic peptide sequence is selected from aa 86-99 of HUMAN SDCCAG3

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SDCG3 Blocking Peptide (N-term) - Protein InformationName ENTR1 ([HGNC:10667](#))

Synonyms SDCCAG3

Function

Endosome-associated protein that plays a role in membrane receptor sorting, cytokinesis and ciliogenesis (PubMed: [23108400](http://www.uniprot.org/citations/23108400), PubMed: [25278552](http://www.uniprot.org/citations/25278552), PubMed: [27767179](http://www.uniprot.org/citations/27767179)). Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1 (PubMed: [25278552](http://www.uniprot.org/citations/25278552)). Involved in the regulation of cytokinesis; the function may involve PTPN13 and GIT1 (PubMed: [23108400](http://www.uniprot.org/citations/23108400)). Plays a role in the formation of cilia (PubMed: [27767179](http://www.uniprot.org/citations/27767179)). Involved in cargo protein localization, such as PKD2, at primary cilia (PubMed: [27767179](http://www.uniprot.org/citations/27767179)). Involved in the presentation of the tumor necrosis factor (TNF)

receptor TNFRSF1A on the cell surface, and hence in the modulation of the TNF-induced apoptosis (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:A2AIW0}. Early endosome. Endosome. Recycling endosome. Midbody Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body Note=Colocalizes in a WASHC2-dependent manner with the retromer CSC complex at endosomes (PubMed:25278552). During cytokinesis colocalized with PTPN13 at the midbody (PubMed:23108400). Colocalizes with IFT88 and gamma-tubulin at the basal body of primary cilia (PubMed:27767179) Colocalizes with IFT88 and pericentrin at the centrosome (PubMed:27767179).

Tissue Location

Expressed in the colon (at protein level).

SDCG3 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SDCG3 Blocking Peptide (N-term) - Images**SDCG3 Blocking Peptide (N-term) - Background**

SDCG3 may be involved in modulation of TNF response. SDCG3 may be involved in presentation of TNFRSF1A on the cell surface.

SDCG3 Blocking Peptide (N-term) - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Neznanov, N., et al. DNA Cell Biol. 24(12):777-785(2005)