

**SDCCAG8 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58571****Specification**

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**SDCCAG8 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q86SQ7</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SDCCAG8
Epitope Specificity	321-420/713
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 2: Cytoplasm.
SUBUNIT	Homodimer (By similarity). Interacts with OFD1; the interaction is direct. Interacts with FAM161A.
DISEASE	Defects in SDCCAG8 are the cause of Senior-Loken syndrome type 7 (SLSN7) [MIM:613615]. SLSN7 is a renal-retinal disorder characterized by progressive wasting of the filtering unit of the kidney (nephronophthisis), with or without medullary cystic renal disease, and progressive eye disease. Typically this disorder becomes apparent during the first year of life.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

The exact function of SDCCAG8 remains unknown. It is expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors.

**SDCCAG8 Polyclonal Antibody - Additional Information**

**Gene ID** 10806

**Other Names**

Serologically defined colon cancer antigen 8, Antigen NY-CO-8, Centrosomal colon cancer

autoantigen protein, hCCCAP, SDCCAG8, CCCAP, NPHP10

**Target/Specificity**

Expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors.

**Dilution**

WB~~1:1000  
IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
E~~N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SDCCAG8 Polyclonal Antibody - Protein Information**

**Name** SDCCAG8

**Synonyms** CCCAP, NPHP10

**Function**

Plays a role in the establishment of cell polarity and epithelial lumen formation (By similarity). Also plays an essential role in ciliogenesis and subsequent Hedgehog signaling pathway that requires the presence of intact primary cilia for pathway activation. Mechanistically, interacts with and mediates RABEP2 centrosomal localization which is critical for ciliogenesis (PubMed:[27224062](http://www.uniprot.org/citations/27224062)).

**Cellular Location**

Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, cilium basal body. Cell junction. Note=Located at the distal ends of both centrioles and colocalizes to centrosomes throughout the cell cycle

**Tissue Location**

Expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors

**SDCCAG8 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **SDCCAG8 Polyclonal Antibody - Images**