

# SDCCAG8 Rabbit pAb

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Catalog # AP58571

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q86SQ7</a>
<b>Predicted</b>	Human, Mouse, Rat, Pig, Horse, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	82682
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human SDCCAG8
<b>Epitope Specificity</b>	321-420/713
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Isoform 2: Cytoplasm.
<b>SUBUNIT</b>	Homodimer (By similarity). Interacts with OFD1; the interaction is direct. Interacts with FAM161A.
<b>DISEASE</b>	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.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	The exact function of SDCCAG8 remains unknown. It is expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors.

## Additional Information

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<b>Gene ID</b>	10806
<b>Other Names</b>	Serologically defined colon cancer antigen 8, Antigen NY-CO-8, Centrosomal colon cancer autoantigen protein, hCCCAP, SDCCAG8, CCCAP, NPHP10
<b>Target/Specificity</b>	Expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors.
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Storage</b>	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.

## Protein Information

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<b>Name</b>	SDCCAG8
<b>Synonyms</b>	CCCAP, NPHP10
<b>Function</b>	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: <a href="#">27224062</a> ).
<b>Cellular Location</b>	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
<b>Tissue Location</b>	Expressed in thymus, prostate, testis, ovary, small intestine, colon, mucosa, colon and renal cancer tumors

## Background

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.