

**SDCCAG8 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3749a

**Specification**

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**SDCCAG8 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">Q86SQ7</a>
Other Accession	<a href="#">NP_006633.1</a> , <a href="#">10806</a> , <a href="#">76816 (mouse)</a> , <a href="#">305002 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	82682

**SDCCAG8 Antibody (internal region) - 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SDCCAG8 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**SDCCAG8 Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/27224062" target="\_blank">27224062</a>).

#### 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 Antibody (internal region) - 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 Antibody (internal region) - Images



AF3749a (0.3 µg/ml) staining of HEK293 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### SDCCAG8 Antibody (internal region) - References

Candidate exome capture identifies mutation of SDCCAG8 as the cause of a retinal-renal ciliopathy. Otto EA, Hurd TW, Airik R, Chaki M, Zhou W, Stoetzel C, Patil SB, Levy S, Ghosh AK, Murga-Zamalloa CA, van Reeuwijk J, Letteboer SJ, Sang L, Giles RH, Liu Q, Coene KL, Estrada-Cuzcano A, Collin RW, McLaughlin HM, Held S, Kasanuki JM, Ramaswami G, Conte J Nat Genet. 2010 Oct;42(10):840-50.

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