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SDCCAG8 Antibody (internal region)

Peptide-affinity purified goat antibody

Catalog # AF3749a

Specification

SDCCAG8 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q86SQ7
Other Accession	NP_006633.1, 10806, 76816 (mouse), 305002 (rat)
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: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 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 Cytomety
- 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.

PMID: 20835237