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SDCCAG8 Rabbit pAb

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Catalog # AP58571

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q86SQ7
Predicted	Rat, Pig, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82682
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SDCCAG8
Epitope Specificity	321-420/713
Isotype	IgG
Purity	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.
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.

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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

Background

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