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ANKS6 Rabbit pAb

Catalog # AP97243

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q68DC2
Other Accession	Q68DC2
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92219
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKS6
Epitope Specificity	431-530/871
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 11 ANK repeats. Contains 1 SAM (sterile alpha motif) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ANKS6, also known as ankyrin repeat domain-containing protein 14, SAMD6 (sterile alpha motif domain-containing protein 6), SamCystin or PKDR1, is an 871 amino acid phosphoprotein that contains eleven ANK repeats, one SAM domain and exists as three alternatively spliced isoforms. Encoded by a gene that maps to human chromosome 9q22.33, ANKS6 is necessary for renal function and is linked to renal cyst formation in polycystic kidney disease. ANKS6 interacts with BICC1, another protein linked to polycystic kidney disease, and both co-localize to the same cell region. ANKS6 is involved in protein–protein interactions with both itself as well as BICC1, and both proteins function in a molecular pathway that is linked to cystogenesis. ANKS6 may also be associated with dental anomolies.

Additional Information

Gene ID	203286
Other Names	ANKRD14; NPHP16; PKDR1; SAMD6; ANKS6_HUMAN; ANKS6; Ankyrin repeat domain-containing protein 14; SamCystin; Sterile alpha motif domain-containing protein 6 (SAM domain-containing protein 6); ankyrin repeat and sterile alpha motif domain containing 6; sterile alpha motif domain containing 6; ankyrin repeat domain 14
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	ANKS6
Synonyms	ANKRD14, PKDR1, SAMD6
Function	Required for renal function.
Cellular Location	Cell projection, cilium {ECO:0000250|UniProtKB:Q6GQX6}. Cytoplasm {ECO:0000250|UniProtKB:P0C0T2}. Note=Localizes to the proximal region of the primary cilium in the presence of INVS {ECO:0000250|UniProtKB:Q6GQX6}

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