

NPHP4 Polyclonal Antibody

Catalog number: 13812-1-AP

Size: 34 µg/150 µl

Source: Rabbit

Isotype: IgG

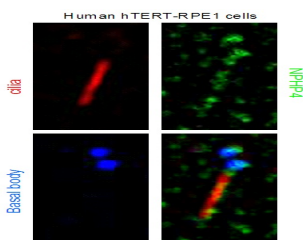
Synonyms:

NPHP4; KIAA0673,

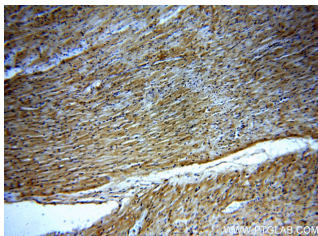
Nephrocystin 4,

nephronophthisis 4,

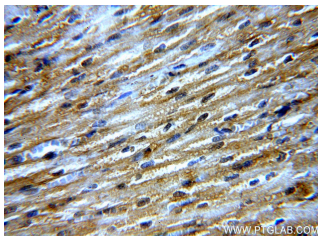
Nephroretinin, NPHP4, SLSN4



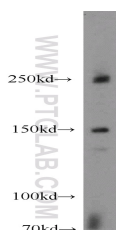
IF result from Dr. Corbit, Kevin. anti-NPHP4(13812-1-AP) marks the ciliary axoneme, basal bodies, and the transition zone of Human hTERT-RPE1 cells.



Immunohistochemical of paraffin-embedded human heart using 13812-1-AP(NPHP4 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human heart using 13812-1-AP(NPHP4 antibody) at dilution of 1:50 (under 40x lens)



mouse brain tissue were

Background

NPHP4, also named as KIAA0673, is a cilia-associated protein which involved in the organization of apical junctions in kidney cells together with NPHP1 and RPGRIP1L/NPHP8. It is necessary for normal photoreceptor ribbon synapse maintenance and outer segment formation, and for sperm development.

Applications

Tested applications: ELISA, IHC, WB, IF

Cited applications: IF

Species specificity: Human, Mouse; other species not tested.

Cited species: Human, mouse

Calculated NPHP4 MW: 1426aa,158 kDa

Observed NPHP4 MW: 150 kDa

Positive WB detected in: Mouse brain tissue, Y79 cells

Positive IHC detected in: Human heart tissue

Positive IF detected in: HTERT-RPE1 cells

Recommended dilution: WB: 1:200-1:2000

IHC: 1:20-1:200

IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen: Ag4875

GenBank accession number: BC040520

Gene ID (NCBI): 261734

Full name: Nephronophthisis 4

Product information

Purification method: Antigen affinity purification

Storage: PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

subjected to SDS PAGE
followed by western blot with
13812-1-AP(NPHP4 antibody)
at dilution of 1:600