

Nephrocystin-5 (R467) polyclonal antibody

Catalog: BCP01172

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The nephrocystin proteins comprise a family of five enzymes that commonly interact with p130Cas, proline-rich tyrosine kinases, calmodulin and tensin, indicating that these proteins may participate in a common signaling pathway. Localized to the outer segments and primary cilia of photoreceptor cells, nephrocystin-5 is complexed with RPGR (retinitis pigmentosa GTPase regulator) and interacts directly with calmodulin. Nephrocystin-5 is thought to participate with RPGR in a pathway of ciliary function in the kidney and retina. Mutations in the gene encoding nephrocystin-5 are the primary cause of Senior-Loken syndrome 5, a juvenile disorder characterized by defects in the waste filtering system of the kidney, as well as retinal degradation.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 69 kDa

Swiss-Prot:

Q15051

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

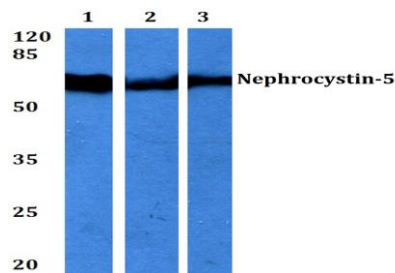
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Nephrocystin-5 (R467) polyclonal antibody detects endogenous levels of Nephrocystin-5 protein.

DATA:

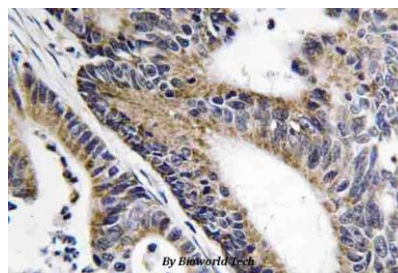


Western blot (WB) analysis of Nephrocystin-5 (R467) pAb at 1:1000 dilution

Lane1: The Kidney tissue lysate of Mouse(5ug)

Lane2: The Ovary tissue lysate of Rat(40ug)

Lane3: HCT116 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Nephrocystin-5 (R467) pAb in paraffin-embedded human colon carcinoma tissue.

Note:

For research use only, not for use in diagnostic procedure.