

Rabbit Anti-PKD1L3/Biotin Conjugated antibody

SL11622R-Bio

Product Name Anti-PKD1L3/Biotin

Chinese Name 生物素标记的多囊肾蛋白 1 样 3 抗体

Alias PC1 like 3 protein; Polycystic kidney disease 1 like 3; Polycystic kidney disease protein 1 like 3; Polycystin 1 like 3; Polycystin 1L3;PK1L3_HUMAN.

Research Area Neurobiology Channel protein The cell membrane 受体

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted:Human)

IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500,ELISA=1:500-5000

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Molecular weight 193kDa

Form Lyophilized or Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human PKD1L3

Lsotype IgG

Purification affinity purified by Protein A

Storage Buffer 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

Product Detail Polycystin-1L3 is a 1,732 amino acid multi-pass membrane protein that contains one PLAT domain, one GPS domain and one C-type lectin domain. Expressed at high levels in placenta and present at lower levels in lung and heart, Polycystin-1L3 is thought to function

as an ion-channel regulator that may interact with Polycystin-L and play a role in heteromeric taste channels. The gene encoding Polycystin-1L3 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

Function:

PKD1L3 belongs to the polycystin family. It may function as an ion-channel regulator and may function with PKD2L1 as heteromeric taste channels.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

Highly expressed in placenta, weakly in heart and lung.

Similarity:

Belongs to the polycystin family.

Contains 1 C-type lectin domain.

Contains 1 GPS domain.

Contains 1 PLAT domain.

Database links:

[Entrez Gene: 342372](#) Human

[Omim: 607895](#) Human

[SwissProt: Q7Z443](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.