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Product datasheet for AP53314PU-N

Polycystin 2 (PKD2) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	**ELISA:** 1/1000. **Western Blot:** 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 873-903 amino acids from the C-terminal region of human PKD2
Specificity:	This antibody recognizes Human and Mouse PKD2 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	polycystin 2, transient receptor potential cation channel
Database Link:	Entrez Gene 18764 MouseEntrez Gene 5311 Human Q13563

View online »

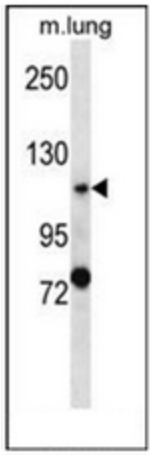
Background: This gene encodes a member of the polycystin protein family. The encoded protein contains multiple transmembrane domains, and cytoplasmic N- and C-termini. The protein may be an integral membrane protein involved in cell-cell/matrix interactions. The encoded protein may function in renal tubular development, morphology, and function, and may modulate intracellular calcium homoeostasis and other signal transduction pathways. This protein interacts with polycystin 1 to produce cation-permeable currents. Mutations in this gene have been associated with autosomal dominant polycystic kidney disease.

Synonyms: Polycystin-2, Polycystwin, R48321

Note: **Molecular Weight:** 109691 Da

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



Western blot analysis of PKD2 Antibody (C-term) in mouse lung tissue lysates (35ug/lane). This demonstrates the PKD2 antibody detected the PKD2 protein (arrow)