

## Product datasheet for **AP52918PU-N**

### **NPHP3 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/1000. <b>Western Blot:</b> 1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 144-173 amino acids from the N-terminal region of human NPHP3
Specificity:	This antibody reacts to NPHP3.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Predicted Protein Size:	71kd Isoform 3. 150864 Da
Gene Name:	nephronophthisis 3 (adolescent)
Database Link:	<a href="#">Entrez Gene 27031 Human Q7Z494</a>



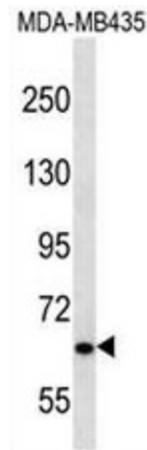
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**Background:**

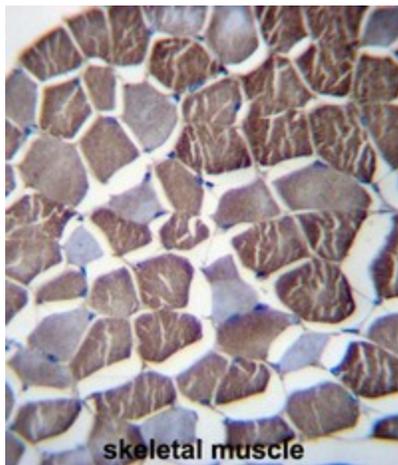
This gene encodes a protein containing a coiled-coil (CC) domain, a tubulin-tyrosine ligase (TTL) domain, and a tetratricopeptide repeat (TPR) domain. The encoded protein interacts with nephrocystin and may function in renal tubular development and function. Mutations in this gene are associated with nephronophthisis type 3. Multiple splice variants have been described but their full-length nature has not been determined.

**Synonyms:**

NPHP3, KIAA2000

**Product images:**

NPHP3 Antibody (N-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the NPHP3 antibody detected the NPHP3 protein (arrow).



NPHP3 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NPHP3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.