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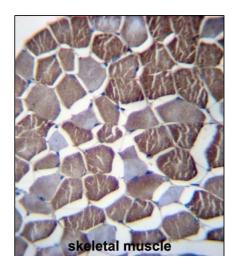
Overview	
Quantity:	400 μL
Target:	NPHP3
Binding Specificity:	AA 144-173, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPHP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This NPHP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 144-173 amino acids from the N-terminal region of human NPHP3.
Clone:	RB32452
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	NPHP3
Alternative Name:	NPHP3 (NPHP3 Products)

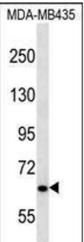
## **Target Details**

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Background:	This gene encodes a protein containing a coiled-coil (CC) domain, a tubulin-tyrosine ligase (TTL) domain, and a tetratrico peptide 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.
Molecular Weight:	150864
Gene ID:	27031
NCBI Accession:	NP_694972
UniProt:	Q7Z494
Pathways:	cAMP Metabolic Process
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	NPHP3 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months





### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** NPHP3 Antibody (N-term) (ABIN656679 and ABIN2845918) 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.

#### **Western Blotting**

**Image 2.** NPHP3 Antibody (N-term) (ABIN656679 and ABIN2845918) western blot analysis in MDA-M cell line lysates (35  $\mu$ g/lane). This demonstrates the NPHP3 antibody detected the NPHP3 protein (arrow).