

NPHP4 monoclonal antibody (M01A), clone 4D4

Catalog # H00261734-M01A Size 200 uL

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NPHP4.
Immunogen	NPHP4 (NP_055917.1, 1317 a.a. ~ 1426 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ASWLVCLCCRQPLISKA FEIMLAAGEGKGVNKRITYNPYPSSRRTFHLHSDHPELLRFREDSFQVG GGETYIGLQFAPSQRVGE EEEILYNDHEDKNEEAF CVKVIYQ
Host	Mouse
Reactivity	Human
Isotype	IgM Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — NPHP4

Entrez GeneID	261734
GeneBank Accession#	NM_015102
Protein Accession#	NP_055917.1
Gene Name	NPHP4

Gene Alias	KIAA0673, SLSN4
Gene Description	nephronophthisis 4
Omim ID	606966 606996 607215
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which contains a proline-rich region. The encoded protein may function in renal tubular development and function. This protein interacts with nephrocystin. Mutations in this gene are associated with nephronophthisis type 4. Multiple alternative transcript variants have been described but their full-length nature has not been determined. [provided by RefSeq]
Other Designations	nephrocystin 4 nephroretinin

Publication Reference

- [Variable phenotypes and penetrance between and within different zebrafish ciliary transition zone mutants.](#)

Jun Wang, Holly R Thomas, Robert G Thompson, Stephanie C Waldrep, Joseph Fogerty, Ping Song, Zhang Li, Yongjie Ma, Peu Santra, Jonathan D Hoover, Nan Cher Yeo, Iain A Drummond, Bradley K Yoder, Jeffrey D Amack, Brian Perkins, John M Parant.
Disease Models & Mechanisms 2022 Dec; 15(12):dmm049568.

Application: WB-Ce, Human, Zebrafish, HEK 293 cells, Zebrafish embryo

- [Interaction of ciliary disease protein retinitis pigmentosa GTPase regulator with nephronophthisis-associated proteins in mammalian retinas.](#)

Murga-Zamalloa CA, Desai NJ, Hildebrandt F, Khanna H.
Molecular Vision 2010 Jul; 16:1373.

Application: WB-Ti, Bovine, Bovine retinal lysates

Disease

- [Kidney Diseases](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)