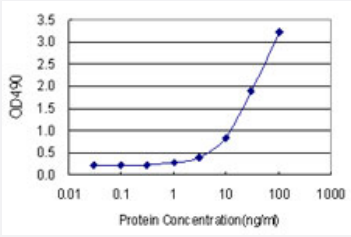
NPHP1 (Human) Matched Antibody Pair

Catalog # H00004867-AP21 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human NPHP1.
Reactivity	Human
Quality Control Testing	Standard curve using recombinant protein (H00004867-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 1 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-NPHP1 (100 ug) 2. Detection antibody: mouse purified polyclonal anti-NPHP1 (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

Protocol Download

Gene Info — NPHP1

Entrez GeneID	4867
Gene Name	NPHP1
Gene Alias	FLJ97602, JBTS4, NPH1, SLSN1
Gene Description	nephronophthisis 1 (juvenile)
Omim ID	256100 266900 607100 609583
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with src homology domain 3 (SH3) patterns. This protein interacts with Crk-associated substrate, and it appears to function in the control of cell division, as well as in cell-cell and cell-matrix adhesion signaling, likely as part of a multifunctional complex localized in actin- and microtubule-based structures. Mutations in this gene cause familial juvenile nephronophthisis type 1, a kidney disorder involving both tubules and glomeruli. Defects in this gene are also associated with Senior-Loken syndrome type 1, also referred to as juvenile nephronophthisis with Leber amaurosis, which is characterized by kidney and eye disease, and with Joubert syndrome type 4, which is characterized by cerebellar ataxia, oculomotor apraxia, psychomotor delay and neonatal breathing abnormalities, sometimes including retinal dystrophy and renal disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	nephrocystin-1

Disease

- Abnormalities
- Cerebellar Ataxia
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Kidney Diseases
- Mental Retardation
- Syndrome