

Anti-NPHP1 antibody (463-732) (STJ28757)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

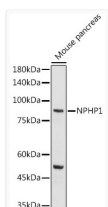
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 83kDa Observed Mw: 83kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

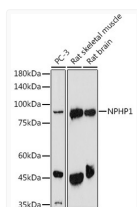
Gene ID	4867
Gene Symbol	NPHP1
UniProt ID	NPHP1_HUMAN
Immunogen Region	463-732
Immunogen Sequence	PDLGILFELGISYIRNSTGE RGELSCGWVFLKLFDSGVIPAKTYELFLNGGTPYEKGI EVDPSISRRAHGSVFYQIMT MRRQPQLLVKLRLNRRSRN VLSLLPETLIGNMCSIHLI FYRQILGDVLLKDRMSLQST DLISHPMLATFPMLEQPDV MDALRSSWAGKSTLRSEK RDKEFLKSTFLLVYHDCVLP LLHSTRLPPFRWAEETETA RWKVITDFLKQKQENQGAL
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 463-732 of human NPHP1 (NP_997064.2).

ADDITIONAL INFORMATION

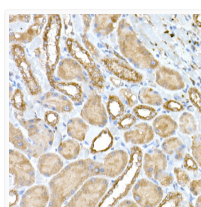
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



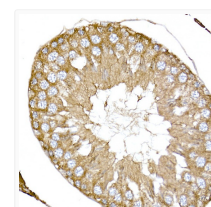
Western blot analysis of extracts of mouse pancreas, using NPHP1 antibody (STJ28757) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



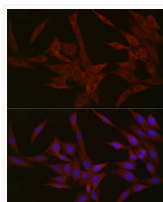
Western blot analysis of extracts of various cell lines, using NPHP1 antibody (STJ28757) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 180s.



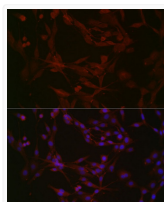
Immunohistochemistry analysis of paraffin-embedded rat kidney using NPHP1 rabbit polyclonal antibody (STJ28757) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



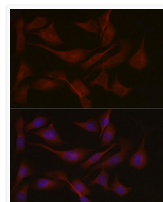
Immunohistochemistry analysis of paraffin-embedded rat testis using NPHP1 rabbit polyclonal antibody (STJ28757) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using NPHP1 rabbit polyclonal antibody (STJ28757) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using NPHP1 rabbit polyclonal antibody (STJ28757) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using NPHP1 rabbit polyclonal antibody (STJ28757) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.