

## Rabbit anti-Human SNX21 Polyclonal Antibody | anti-SNX21 antibody

Anti-SNX21 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA256730</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

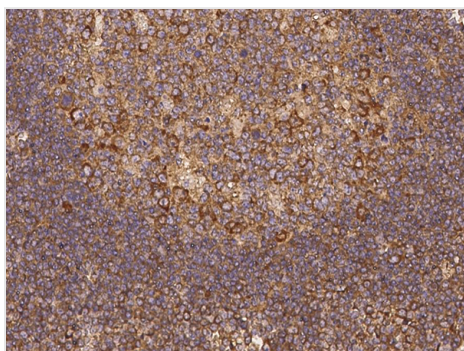
### PRODUCT SYNONYMS

SNX21; Polyclonal Antibody; Anti-SNX21 Antibody; Rabbit Polyclonal; SNX21 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-dJ337O18.4 Antibody; Anti-PP3993 Antibody; Anti-RP3-337O18.7 Antibody; Anti-SNX-L Antibody; anti-SNX21 antibody

### PRODUCT SPECIFICATIONS

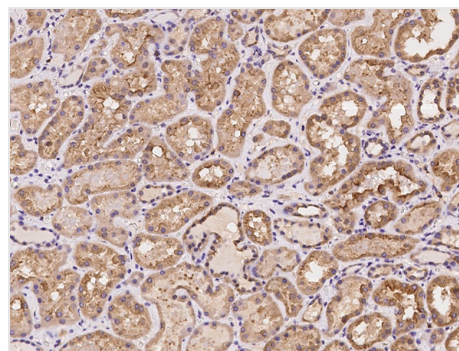
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|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                     | Human SNX21                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                     | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-SNX21 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                         |
| Immunogen                                       | E Coli-derived Human SNX21 fragment                                                                                                                                                                                                                |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                     | Produced in rabbits immunized with E Coli-derived Human SNX21 fragment, and purified by antigen affinity chromatography.                                                                                                                           |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining of human SNX21 in human lymph node with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



#### IHC (Immunohistochemistry)

Immunochemical staining of human SNX21 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

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| Related Product Information for anti-SNX21 antibody | Sorting nexins (SNX) orchestrate membrane trafficking and signaling events required for the proper distribution of proteins within the endosomal network. Their phox homology (PX) domain acts as a phosphoinositide (PI) recognition module that targets them to specific endocytic membrane domains. Comprising over 30 proteins in humans, SNXs are classified into sub-groups based on the presence of additional functional domains. One SNX sub-group that in humans comprises sorting nexin-20 (SNX20) and sorting nexin-21 (SNX21) are the SNX-PXB proteins. These proteins possess a C-terminal PX-associated B (PXB) domain which displays a tetratricopeptide repeat (TPR) fold that is typically involved in protein-protein interactions. While SNX20 and SNX21 share the same overall domain organisation and approximately 40% sequence conservation at the amino acid level, they are distinguished by an N-terminal extension in SNX21 that is predicted to include a short alpha-helical structure. SNX-L (or SNX21) gene includes 4 exons and 3 introns, and is located on chromosome 20q12-13.1 region, encompassing 8 kb. The SNX-L protein has a common PX domain shared by all SNX family members. The similarity of SNX-L PX domain to the PX consensus sequence is over 40%. PX domains have been shown to associate with specific phospholipids and membrane compartments. |
| References                                          | Danson CM, et al. (2018) Sorting nexin-21 is a scaffold for the endosomal recruitment of huntingtin. J Cell Sci 131 (17): jcs211672.Danson C, et al. (2013) Snx15 links clathrin endocytosis to the ptdins3p early endosome independently of the appl1 endosome. J Cell Sci 126 (Pt 21): 4885-4899.Clairefeuille T, et al. (2015) Structure and membrane binding properties of the endosomal tetratricopeptide repeat (tpr) domain-containing sorting nexins snx20 and snx21. J Biol Chem 290 (23): 14504-14517.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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