

## Rabbit anti-Human NPC1 Polyclonal Antibody | anti-NPC1 antibody

NPC1 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA307124</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

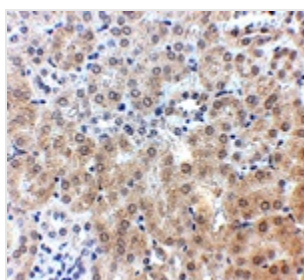
### PRODUCT SYNONYMS

NPC1; Polyclonal Antibody; NPC1 Antibody; Niemann-Pick disease type C1; NPC; anti-NPC1 antibody

### PRODUCT SPECIFICATIONS

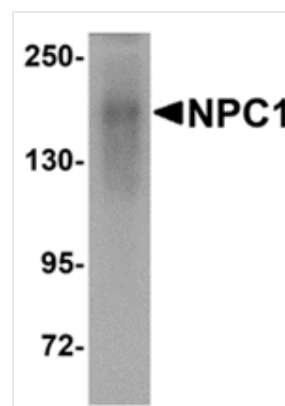
|                                                |                                                                                                                                                                                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                 |
| Reactivity                                     | Human                                                                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                                             |
| Purity/Purification                            | Affinity chromatography purified via peptide column                                                                                                                                                    |
| Form/Format                                    | Supplied in PBS containing 0.02% sodium azide.                                                                                                                                                         |
| Sequence Length                                | 1278                                                                                                                                                                                                   |
| Applicable Applications for anti-NPC1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                   |
| Immunogen Type                                 | Peptide                                                                                                                                                                                                |
| Immunogen Description                          | Raised against a 16 amino acid peptide from near the carboxy terminus of human NPC1.                                                                                                                   |
| Target Name                                    | NPC1                                                                                                                                                                                                   |
| Preparation and Storage                        | Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

### IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of NPC1 in mouse kidney tissue with NPC1 antibody at 2.5 ug/mL.



WB (Western Blot)

Western blot analysis of NPC1 in human kidney tissue lysate with NPC1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NPC1 antibody | Mutations in the Niemann-Pick disease type C1 (NPC1) gene result in a fatal progressive neurodegenerative disorder characterized by an abnormal sequestration of lipids including cholesterol and glycosphingolipids. The NPC1 protein is a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. NPC1 transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolized and released as free cholesterol. NPC1, in addition to FTO, MC4R, and PTER has recently been shown to be a new risk loci for early-onset and morbid adult obesity in European populations. This anti-NPC1 antibody will not cross-react to NPC2, another gene whose defects also result in Niemann-Pick type C disease. |
| Product Categories/Family for anti-NPC1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                               |
|----------------------------------|-------------------------------|
| NCBI GI #                        | 255652944                     |
| NCBI GeneID                      | 4864                          |
| NCBI Accession #                 | NP_000262                     |
| NCBI GenBank Nucleotide #        | NM_000271.4                   |
| Molecular Weight                 | 107,025 Da                    |
| NCBI Official Full Name          | Niemann-Pick C1 protein       |
| NCBI Official Synonym Full Names | Niemann-Pick disease, type C1 |
| NCBI Official Symbol             | NPC1                          |
| NCBI Official Synonym Symbols    | NPC                           |
| NCBI Protein Information         | Niemann-Pick C1 protein       |
| UniProt Protein Name             | Niemann-Pick C1 protein       |
| UniProt Gene Name                | <b>NPC1</b>                   |
| UniProt Entry Name               | NPC1_HUMAN                    |

**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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/npc1-antibody-immunohistochemistry-western-blot-elisa/307124>