Human Niemann-Pick Type C2/NPC2 Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG

Catalog Number: AF8644

DESCRIPTION
Species Reactivity: Human

Specificity: Detects human Niemann-Pick Type C2/NPC2 in direct ELISAs and Western blots.

Source: Polyclonal Rabbit IgG

Purification: Antigen Affinity-purified

Immunogen: S. frugiperda insect ovarian cell line S21-derived recombinant human Niemann-Pick Type C2/NPC2 Glu20-Leu151

Accession #: P61916

Formulation: Supplied as a solution in PBS containing BSA, Glycerol and Sodium Azide. See Certificate of Analysis for details.

*Small pack size (-S) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Recommended Concentration

<table>
<thead>
<tr>
<th>Sample</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>1:1000 dilution</td>
</tr>
<tr>
<td>Immunocytochemistry</td>
<td>1:150 dilution</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td>1:50 dilution</td>
</tr>
</tbody>
</table>

DATA

Western Blot

Detection of Human Niemann-Pick Type C2/NPC2 by Western Blot. Western blot shows lysates of NTera-2 human testicular embryonic carcinoma cell line, human kidney (cortex) tissue, HepG2 human hepatocellular carcinoma cell line, and human skeletal muscle tissue. PVDF membrane was probed with 1:1000 dilution of Rabbit Anti-Human Niemann-Pick Type C2/NPC2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8644) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Niemann-Pick Type C2/NPC2 at approximately 18 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry

Niemann-Pick Type C2/NPC2 in SK-Hep-1 Human Cell Line. Niemann-Pick Type C2/NPC2 was detected in immersion fixed SK-Hep-1 human liver adenocarcinoma cell line using Rabbit Anti-Human Niemann-Pick Type C2/NPC2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8644) at 1:150 dilution for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Rabbit IgG Secondary Antibody (red; Catalog # NL004) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

Immunohistochemistry

Niemann-Pick Type C2/NPC2 in Human Kidney. Niemann-Pick Type C2/NPC2 was detected in immersion fixed paraffin-embedded sections of human kidney using Rabbit Anti-Human Niemann-Pick Type C2/NPC2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF8644) at 1:50 dilution overnight at 4 °C. Tissue was stained using the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in tubular epithelial cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.
### PREPARATION AND STORAGE

**Shipping**
The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
*Small pack size (SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C.

**Stability & Storage**
- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C, as supplied.
- 1 month, 2 to 8 °C under sterile conditions after opening.
- 6 months, -20 to -70 °C under sterile conditions after opening.

### PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.