Description

Species Reactivity: Human

Specificity: Detects human Presenilin-1 C-Terminal Fragment in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) Presenilin-1 N-Terminal Fragment (aa 1-80), Presenilin-2 C-Terminal Fragment (aa 322-388), and rhPresenilin-2 N-Terminal Fragment (aa 1-80) is observed.

Source: Polyclonal Goat IgG

Purification: Antigen Affinity-purified

Immunogen: E. coli-derived recombinant human Presenilin-1 aa 298-407

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) 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></th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Blot</td>
<td>1 µg/mL</td>
</tr>
<tr>
<td>Immunohistochemistry</td>
<td>5-15 µg/mL</td>
</tr>
</tbody>
</table>

Knockout Validated

Presenilin-1 is specifically detected in HeLa human cervical epithelial carcinoma parental cell line but is not detectable in Presenilin-1 knockout HeLa cell line.

Data

Western Blot

Detection of Human Presenilin-1 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, SH-SY5Y human neuroblastoma cell line, and HEK293T human embryonic kidney cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human Presenilin-1 C-Terminal Fragment Antigen Affinity-purified Polyclonal Antibody (Catalog # AF166) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Presenilin-1 at approximately 17 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Knockout Validated

Western Blot Shows Human Presenilin-1 Specificity by Using Knockout Cell Line. Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and Presenilin-1 knockout HeLa cell line (KO). PVDF membrane was probed with 1 µg/mL of Goat Anti-Human Presenilin-1 C-Terminal Fragment Antigen Affinity-purified Polyclonal Antibody (Catalog # AF166) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Presenilin-1 at approximately 17 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. GAPDH (Catalog # AF5718) is shown as a loading control. This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Preparation and Storage

Reconstitution: Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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 reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.