



Anti-human Presenilin-2 (PS-2) NTF Antibody

ORDERING INFORMATION

Catalog Number: AF153

Lot Number: DYR01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS

Storage: -20° C

Reconstitution: sterile PBS

Specificity: rhPS-2 NTF

Immunogen: *E. coli*-derived rhPS-2 NTF
(aa 1 - 80)

Ig Type: human PS-2 NTF specific goat IgG

Applications: ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant human Presenilin-2 N-terminal fragment amino acid (aa) residues 1 - 80 (rhPS-2 NTF). PS-2 NTF specific IgG was purified by human PS-2 NTF affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS).

Endotoxin Level

< 10 ng per 1 mg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for greater than six months when held at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for at least 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for at least six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize rhPS-2 NTF in direct ELISAs and western blots.

Applications

ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human PS-2 NTF. The detection limit for rhPS-2 NTF is approximately 0.1 ng/well. In this format, this antibody shows less than 1% cross-reactivity with rhPS-1 NTF (aa 1 - 80) and rhPS-2 CTF (aa 308 - 388).

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human PS-2 NTF. The detection limit for rhPS-2 NTF is approximately 200 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect PS-2 NTF in paraffin-embedded tissue sections. The working dilution is 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining kits (CTS Series).

Optimal dilutions should be determined by each laboratory for each application.

For immunohistochemistry images, please refer to our website at http://www.RnDSystems.com/asp/c_immunohistochemistry_add.asp