Product Data Sheet

Purified anti-β-Amyloid, 1-40

Catalog # / Size: 805401 / 200 µl
805402 / 500 µl
805403 / 1 ml

Previously: Covance Catalog# SIG-39140
Signet Catalog# 9140-02, 9140-05, 9140-10

Clone: 11A50-B10
Isotype: Mouse IgG1
Reactivity: Human, Mouse, Rat
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution (no preservatives or carrier proteins).
Concentration: 0.5 mg/ml

Storage: Do not store antibody diluted below 50 µg/mL in the absence of protein (i.e.: add 2% bovine serum albumin). The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.

Applications:

Applications: ELISA, WB, IHC, IP
Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay.

The optimal working dilution should be determined for each specific assay condition.
- **WB**: 1:100-1:1,000
- **IHC**: 1:100-1:250

**Tissue Sections**: Formalin-fixed, paraffin-embedded tissues

**Pretreatment**: For optimal staining, the sections should be pretreated with formic acid (70%) for 10-30 minutes.

**Incubation**: For optimal staining, the primary antibody should be incubated overnight at 4°C.

Application Notes: This antibody is effective in immunoblotting (WB), immunohistochemistry (IHC), and ELISA.

Clone 11A50-B10 is reactive to the C-terminus of beta amyloid and is specific for the isoform ending at the 40th amino acid.

**Application References**:

Description: Amyloid beta (Aβ or Amyloid beta) denotes peptides of 36-43 amino acids in length that are crucially involved in Alzheimer's disease as the main component of the amyloid plaques found in the brains of Alzheimer patients. The peptides result from the amyloid precursor protein (APP), which is cut by certain enzymes to yield Aβ. Aβ molecules can aggregate to form oligomers (known as "seeds") which are believed to be able to induce other Aβ molecules to also take the misfolded oligomeric form, leading to a chain reaction akin to a prion infection. The seeds or the resulting amyloid plaques are toxic to nerve cells. The other protein implicated in Alzheimer's disease, tau protein, also forms such prion-like misfolded oligomers, and there is some evidence that misfolded Aβ can induce tau to misfold.

Other Names: AAA, ABETA, ABPP, AD1, APP1, CTFgamma, CVAP, PN-II, PN2, Amyloid beta A4 protein, preA4, protease nexin-II, peptidase nexin-II, beta-amyloid peptide, alzheimer disease amyloid protein, cerebral vascular amyloid peptide, APP, Amyloid Precursor Protein

Related Products:

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<td>337.48</td>
<td>WB, IHC</td>
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<td>7-14-4</td>
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<tr>
<td>Purified anti-β-Amyloid, 1-42</td>
<td>12F4</td>
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<tr>
<td>Purified anti-β-Amyloid, 1-43</td>
<td>9C4/Amyloid</td>
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<td>Purified anti-β-Amyloid, x-38</td>
<td>BA1-13</td>
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<td>1-11-3</td>
<td>ELISA, IHC</td>
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