Biotin anti-β-Amyloid, 1-40

**Catalog # / Size:**
- 805404 / 200 µl
- 805405 / 500 µl
- 805406 / 1 ml

**Previously:**
- Covance Catalog# SIG-39141
- Signet Catalog# 9141-02, 9141-05, 9141-10

**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 ug/mL in the absence of protein (i.e.: add 2% bovine serum albumin). It is suggested that the total volume is aliquoted upon initial thaw. The antibody is best stored undiluted at -20°C to -70°C.

**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.

**Application Notes:**
This antibody is effective in ELISA, immunoblotting (WB), immunohistochemistry (IHC) and immunoprecipitation (IP).
This antibody is reactive to the c-terminus of beta amyloid and specific for the isoform ending at the 40th amino acid.

**Application References:**

**Description:** Amyloid beta (Aβ or Abeta) 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:**
- Purified anti-β-Amyloid Pyroglutamyl (Glu3)
- Purified anti-β-Amyloid, 1-38
- Purified anti-β-Amyloid, 1-40
- Purified anti-β-Amyloid, 1-42
- Purified anti-β-Amyloid, 1-43
- Purified anti-β-Amyloid, x-38

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