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EB11158 - Goat Anti-Amyloid beta peptide (aa1-16)

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: AAA, ABETA, ABPP, AD1, alzheimer disease amyloid protein, amyloid beta (A4) precursor protein, amyloid beta A4 protein, APPI, beta-amyloid peptide, cerebral vascular amyloid peptide, CTFgamma, CVAP, OTTHUMP00000096096, peptidase nexin-II, PN2, PN-II, preA4, protease nexin-II, APP

Official Symbol: APP

Accession Number(s): NP_000475.1; NP_958816.1; NP_958817.1; NP_001129601.1;

NP_001129602.1

Human GeneID(s): 351

Important Comments: This antibody is expected to recognize all reported isoforms of APP (NP_000475.1; NP_958816.1; NP_958817.1; NP_001129601.1; NP_001129602.1) and to recognize all lengths of the Amyloid beta peptide.

Immunogen

Peptide with sequence DAEFRHDSGYEVHHQK-C, from the N Terminus of the protein sequence according to NP_000475.1; NP_958816.1; NP_958817.1; NP_001129601.1; NP_001129602.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

Western blot: Approx 75kDa band observed in Human Brain (Cerebral and Frontal cortex) lysates (calculated MW of 78.7kDa according to NP_958817.1 and 72.6 according to NP_001129601.1). Recommended concentration: 1-3μg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

EB11158 ($1\mu g/ml$) staining of Human Cerebral Cortex lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.