| e at -20C | APP Antibody | | Cell Signaling | |
|-----------|--------------|------------------------------|--|--|
| Store at | | Orders: | 877-616-CELL (2355) orders@cellsignal.com | |
| 2 | | Support: | 877-678-TECH (8324) | |
| 2452 | | Web: | info@cellsignal.com cellsignal.com | |
| # | | 3 Trask Lane Danvers Mas | sachusetts 01923 USA | |

For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications: WB | Reactivity: H M R Mk | Sensitivity: Endogenous | MW (kDa): 100 to 140 | Source: Rabbit | UniProt ID: #P05067 | Entrez-Gene Id: 351 | | | |
|------------------------------|--|---|--|---|--|--|--|--|--|
| Product Usage Information | | l ication tern Blotting | | | Dilution 1:1000 | | | | |
| Storage | | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody. | | | | | | | |
| Specificity / Sensiti | | APP Antibody detects endogenous levels of several isoforms of both mature and immature amyloid beta (A4) precursor protein, including APP695, APP770 and APP751. | | | | | | | |
| Source / Purificatio | residu | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Thr668 of human APP695. Antibodies are purified by protein A and peptide affinity chromatography. | | | | | | | |
| Background | severa releas releas be pho protein depen | al isoforms (1). Th sed by a two-step sed Aβ fragments osphorylated at se n (2-5). Phosphon ndent kinase is cel | e amino acid seque proteolytic cleavage form the main comp everal sites, which r ylation at Thr668 (a I-cycle dependent a | ence of APP contain e (1). The extracellu ponents of amyloid p nay affect the prote position correspon and peaks during G2 | smembrane glycoproteir is the amyloid domain, v lar deposition and accur blaques in Alzheimer's d olytic processing and se ding to the APP695 isofo 2/M phase (4). APP pho uronal differentiation (5, | vhich can be mulation of the isease (1). APP can cretion of this orm) by cyclin- sphorylated at | | | |
| Background Refere | 2. Cap 3. Hur 4. Suz 5. And | boraso, G.L. et al. ng, A.Y. and Selko zuki, T. et al. (1994 do, K. et al. (1999) | Biol Chem 271, 18 (1992) Proc Natl Ad e, D.J. (1994) EMB) EMBO J 13, 1114 J Neurosci 19, 442 J Neurochem 75, 1 | cad Sci USA 89, 30 O J 13, 534-42. 4-22. 21-7. | 55-9. | | | | |
| Species Reactivity | Specie | Species reactivity is determined by testing in at least one approved application (e.g., western blot). | | | | | | | |
| Western Blot Buffe | | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. | | | | | | | |
| Applications Key | WB : V | WB: Western Blotting | | | | | | | |
| Cross-Reactivity K | X: Xen | opus Z: zebrafish | | er Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse scies expected | | | | | |
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| | approv | ed, cleared, or lice | ensed by the FDA o | or other regulatory fo | abeling statement and h preign or domestic entity peutic purpose, or other | r, for any purpose. | | | |
| tps://www.cellsignal.con | n/datasheet.jsp | ?productId=24 | 52&images=0&p | protocol=0 | | | | | |

APP Antibody (#2452) Datasheet Without Images Cell Signaling Technology

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