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Applications: W	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 100 to 140	<b>Source/Isotype:</b> Rabbit	<b>UniProt ID:</b> #P05067	Entrez-Gene Id: 351			
Product Usage Information		<b>Application</b> Western 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/Sensitivity		APP Antibody detects endogenous levels of several isoforms of both mature and immature amyloid beta (A4) precursor protein, including APP695, APP770 and APP751.							
Source / Purific	<b>ource / Purification</b> Polyclonal antibodies are produced by immunizing animals with a synthetic peptide correspor residues surrounding Thr668 of human APP695. Antibodies are purified by protein A and pept affinity chromatography.								
BackgroundAmyloid β (Aβ) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that e several isoforms (1). The amino acid sequence of APP contains the amyloid domain, which c released by a two-step proteolytic cleavage (1). The extracellular deposition and accumulatio released Aβ fragments form the main components of amyloid plaques in Alzheimer's diseas can be phosphorylated at several sites, which may affect the proteolytic processing and sec this protein (2-5). Phosphorylation at Thr668 (a position corresponding to the APP695 isofor cyclin-dependent kinase is cell-cycle dependent and peaks during G2/M phase (4). APP phos at Thr668 exists in adult rat brain and correlates with cultured neuronal differentiation (5,6).				which can be umulation of the 's disease (1). APP and secretion of '5 isoform) by PP phosphorylated					
Background Re	eferences	1. Selkoe, D.J. (1996) <i>J</i> 2. Caporaso, G.L. et al 3. Hung, A.Y. and Selk 4. Suzuki, T. et al. (199 5. Ando, K. et al. (1999 6. Iijima, K. et al. (2000	. (1992) <i>Proc Natl A</i> oe, D.J. (1994) <i>EMB</i> (4) <i>EMBO J</i> 13, 1114 (4) <i>J Neurosci</i> 19, 44	Acad Sci USA 89, 3055-9. O J 13, 534-42. I-22. 21-7.					
Species Reactiv	vity	Species reactivity is de	etermined by testir	ng in at least one approve	ed application (e.g.,	western blot).			
Western Blot B	Buffer	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 Ke	ations Key W: Western Blotting								
Cross-Reactivit	у Кеу	H: Human M: Mouse l	<b>R:</b> Rat <b>Mk:</b> Monkey						
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