#12077 Store at -20C

β-Amyloid (1-39) (D5Y9L) Rabbit



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Applications: WB	Reactivity: H	Sensitivity: Recombinant protein	MW (kDa): 4	Source/Isotype: Rabbit IgG	UniProt ID: #P05067	Entrez-Gene Id: 351
Product Usage	Ap	Application		Dilution		
Information	We	estern Blotting			1:1000	
Storage		•	**	7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than not aliquot the antibody.		
Specificity / Sensitivity		β -Amyloid (1-39) (D5Y9L) Rabbit mAb recognizes the A β -39 isoform of the β -amyloid peptides.				
Species predicter react based on 10 sequence homolo	00%	use, Rat, Monkey, B	ovine			
Source / Purificat		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues at the carboxy terminus of human β -amyloid (1-39) peptide.				
Background		Amyloid β (A β) precursor protein (APP) is a 100-140 kDa transmembrane glycoprotein that exists as several isoforms (1). The amino acid sequence of APP contains the amyloid domain, which can be released by a two-step proteolytic cleavage (1). The extracellular deposition and accumulation of the released A β fragments form the main components of amyloid plaques in Alzheimer's disease (1). APP can be phosphorylated at several sites, which may affect the proteolytic processing and secretion of this protein (2-5). Phosphorylation at Thr668 (a position corresponding to the APP695 isoform) by cyclin-dependent kinase is cell-cycle dependent and peaks during G2/M phase (4). APP phosphorylated at Thr668 exists in adult rat brain and correlates with cultured neuronal differentiation (5,6).				
Background Refe	2. C 3. F 4. S 5. A	aporaso, G.L. et al. lung, A.Y. and Selko uzuki, T. et al. (1994 ndo, K. et al. (1999)	koe, D.J. (1996) <i>J Biol Chem</i> 271, 18295-8. poraso, G.L. et al. (1992) <i>Proc Natl Acad Sci USA</i> 89, 3055-9. ng, A.Y. and Selkoe, D.J. (1994) <i>EMBO J</i> 13, 534-42. tuki, T. et al. (1994) <i>EMBO J</i> 13, 1114-22. do, K. et al. (1999) <i>J Neurosci</i> 19, 4421-7. na, K. et al. (2000) <i>J Neurochem</i> 75, 1085-91.			

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot 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 Key WB: Western Blotting

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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β-Amyloid (1-39) (D5Y9L) Rabbit mAb (#12077) Datasheet Without Images Cell Signaling Technology writing by a legally authorized representative of CST, are rejected and are of no force or effect.

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