1975

β-Amyloid (pE3 Peptide) (D5N5H) Rabbit mAb



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Applications: W, IHC-P, IF-F	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 4	Source/Isotype: Rabbit IgG	UniProt ID: #P05067	Entrez-Gene Id: 351
Product Usage Information		Application Western Blotting Immunohistochemisti Immunofluorescence	(Frozen)		1: 1: 1:	ilution 1000 100 200
Storage		0.02% sodium azide. S	tore at –20°C. Do n), 150 mM NaCl, 100 μg/ ot aliquot the antibody.		ol and less than
Specificity/Sens	itivity	For a carrier free (BSA and azide free) version of this product see product #76486. β-Amyloid (pE3 Peptide) (D5N5H) Rabbit mAb recognizes recombinant pE3 form of β-amyloid peptides. This antibody does not cross-react with the non-pyroglutamate (E3) form of β-amyloid peptides.				
Source / Purifica	ntion	Monoclonal antibodie residues near the ami		mmunizing animals with nyloid (pE3) peptide.	a synthetic peptid	e corresponding to
Background		several isoforms (1). T released by a two-step released Aβ fragment: can be phosphorylate this protein (2-5). Phos cyclin-dependent kina at Thr668 exists in adu Aβ peptides can be fui residue to the enzyme pyroglutamate (pE) (7, due to an enhanced re	he amino acid seque o proteolytic cleavages s form the main con d at several sites, w sphorylation at Thre se is cell-cycle depend ult rat brain and con rther modified by a glutaminyl cyclase 8). Aβ (pE3) peptide esistance to peptida te (10). Antibodies t	a 100-140 kDa transmer ence of APP contains the ge (1). The extracellular of mponents of amyloid pla hich may affect the prot 568 (a position correspor indent and peaks during relates with cultured neu mino-terminal truncation , which catalyzes the for es exhibit increased stab ise-mediated degradatic argeting A β (pE3) peptic des (11).	e amyloid domain, deposition and accu ques in Alzheimer' eolytic processing a nding to the APP69 G2/M phase (4). Al uronal differentiation in that exposes a fro mation of an amino ility relative to non- on (9) and a higher	which can be umulation of the 's disease (1). APP and secretion of '5 isoform) by PP phosphorylated on (5,6). ee glutamate o-terminal -modified peptides propensity to form
Background Ref	erences	1. Selkoe, D.J. (1996) / 2. Caporaso, G.L. et al. 3. Hung, A.Y. and Selko 4. Suzuki, T. et al. (199 5. Ando, K. et al. (1999 6. Iijima, K. et al. (2000 7. Jawhar, S. et al. (201 8. Saido, T.C. et al. (199 9. Saido, T.C. et al. (199 10. He, W. and Barrow 11. Demattos, R.B. et a	. (1992) Proc Natl Ac oe, D.J. (1994) EMBC 4) EMBO J 13, 1114- 1) J Neurosci 19, 442 1) J Neurochem 75, 1) J Biol Chem 286, 95) Neuron 14, 457- 96) Neurosci Lett 21 1, C.J. (1999) Biocher	<i>cad Sci USA</i> 89, 3055-9. 2/13, 534-42. 22. 1-7. 1085-91. 38825-32. 66. 5, 173-6. <i>nistry</i> 38, 10871-7.		
Species Reactivi	ty	Species reactivity is de	etermined by testing	g in at least one approve	d application (e.g.,	western blot).
Western Blot Bu	ffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X
Applications Key	/	W: Western Blotting I	HC-P: Immunohisto	chemistry (Paraffin) IF-F	: Immunofluoresce	ence (Frozen)
Cross-Reactivity	Key	H: Human				

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