e at -20C	BACE1 (D10E5) Rabbit mAb	T C		
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
)6		Support:	877-678-TECH (8324)	
#5606		Web:	info@cellsignal.com cellsignal.com	
#		3 Trask Lane Danvers N	assachusetts 01923 USA	

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

Applications: I WB, IP, IF-F, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 70	Source/Isotype: Rabbit IgG	UniProt ID: #P56817	Entrez-Gene Id: 23621		
Product Usage	Applic	cation			Dilu	ution		
Information	Weste	rn Blotting			1:1	000		
	Immur	noprecipitation			1:5	0		
	Immur	nofluorescence (I	=rozen)		1:5	0 - 1:200		
	Immur	Immunofluorescence (Immunocytochemistry) 1:200 - 1:800			00 - 1:800			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
	For a c	For a carrier-free (BSA and azide free) version of this product see product #20562.						
Specificity / Sensitiv	,	BACE1 (D10E5) Rabbit mAb detects endogenous levels of total BACE1 protein. This product does not detect BACE2.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding His490 of human BACE1 protein.						
Background	cleaving bound, by γ-se disease and rate is trans phosph	g and releasing a carboxy-termina cretase generate e (AD) patients. E e limiting step in ported to the trar	a soluble, extract I fragment consis es the amyloid β- BACE is an attract amyloidogenic A ns-Golgi network 98 by casein kina	proteinase that catalyzes ellular APP- β (sAPP β) er- sting of 99 amino acids (peptide (A β) that forms etive target for inhibitors PP processing (1). Pro- to undergo maturation (ase 1, which is necessar	ctodomain and genera CTF99). Additional pr aggregates in the brai in AD therapy since it BACE-1 is synthesize (2). BACE-1 functions	ating a membrane- ocessing of CTF99 ins of Alzheimer catalyzes the first d in the ER before it as a dimer and is		
Background Referen	2. Benja 3. Walte	 Hunt, C.E. and Turner, A.J. (2009) FEBS J 276, 1845-59. Benjannet, S. et al. (2001) J Biol Chem 276, 10879-87. Walter, J. et al. (2001) J Biol Chem 276, 14634-41. He, X. et al. (2005) J Biol Chem 280, 11696-703. 						
Species Reactivity	Species	reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., w	estern 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 IP: Immunoprecipitation IF-F: Immunofluorescence (Frozen) IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity Key	X: Xeno	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						
Trademarks and Patents	All other	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						
Limited Uses								

BACE1 (D10E5) Rabbit mAb (#5606) Datasheet Without Images Cell Signaling Technology

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