e at -20C	Numb (C44B4) Rabbit mAb		Cell Signaling TECHNOLOGY®	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com	
$\mathbf{\hat{0}1}$		Support:	877-678-TECH (8324)	
#2761		Web:	info@cellsignal.com cellsignal.com	
#	3 Tra:	sk Lane Danvers Ma	ssachusetts 01923 USA	

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

Applications: Reactive WB, IP, IF-IC, FC-FP H		Entrez-Gene Id: 8650	
Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized)	Dilution 1:1000 1:50 1:100 1:200	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.		
Specificity / Sensitivity	Numb (C44B4) Rabbit mAb detects endogenous levels of Numb protein.		
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide residues surrounding Phe482 of human Numb protein.	corresponding to	
Background	Numb contains an amino-terminal phosphotyrosine-binding (PTB) domain and cat binding motifs for α -adaptin and EH (Eps15 homology) domain-containing proteins endocytosis (1,2). There are four mammalian Numb splicing isoforms that are different may have distinct functions (3-5). Numb acts as a negative regulator of Notch sign ubiquitination and degradation of Notch (6). The protein is asymmetrically segrega cell during cell division, producing two daughter cells with different responses to N different cell fates (7,8). The localization of Numb can also be regulated by G-prot (GPCR) and PKC signaling (9).	s, indicating a role in erentially expressed and haling by promoting ated into one daughter lotch signaling and	
Background References	 Berdnik, D. et al. (2002) <i>Dev. Cell</i> 3, 221-231. Santolini, E. et al. (2000) <i>J. Cell Biol.</i> 151, 1345-1352. Dho, S.E. et al. (1999) <i>J. Biol. Chem.</i> 274, 33097-33104. Verdi, J.M. et al. (1999) <i>Proc. Natl. Acad. Sci. USA</i> 96, 10472-10476. Toriya, M. et al. (2006) <i>Dev. Neurosci.</i> 28, 142-155. McGill, M.A. and McGlade, C.J. (2003) <i>J. Biol. Chem.</i> 278, 23196-23203. Verdi, J.M. et al. (1996) <i>Curr. Biol.</i> 6, 1134-1145. Reugels, A.M. et al. (2006) <i>Dev. Dyn.</i> 235, 934-948. Dho, S.E. et al. (2006) <i>Mol. Biol. Cell</i> 17, 4142-4155. 		
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.c	ı., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	in 5% w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immu FC-FP: Flow Cytometry (Fixed/Permeabilized)	nocytochemistry)	
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicke X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elega GP: Guinea Pig Rab: rabbit All: all species expected	-	
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. U.S. Patent No. 7,429,487, foreign equivalents, and child patents deriving therefron All other trademarks are the property of their respective owners. Visit cellsignal.cor information.		

Numb (C44B4) Rabbit mAb (#2761) Datasheet Without Images Cell Signaling Technology

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.