Numb (C29G11) Rabbit mAb (PE Conjugate)



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Reactivity: H M R Mk	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P49757	Entrez-Gene Id: 8650
	Application Flow Cytometry (Fixed/P	ermeabilized)		Dilution 1:50
	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4° C. Do not aliquot the antibody. Protect from light. Do not freeze.			
ivity	Numb (C29G11) Rabbit mAb (PE Conjugate) detects endogenous levels of total Numb protein.			
ion	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala570 of human Numb protein.			
	This Cell Signaling Technology antibody is conjugated to phycoerythrin (PE) and tested in-house for direct flow cytometric analysis in human cells. This antibody is expected to exhibit the same species cross-reactivity as the unconjugated Numb (C29G11) Rabbit mAb #2756.			
	Numb contains an amino-terminal phosphotyrosine binding (PTB) domain and carboxy-terminal endocytic binding motifs for α-adaptin and EH (Eps15 homology) domain-containing proteins, indicating a role in endocytosis (1,2). There are four mammalian Numb splicing isoforms that are differentially expressed and may have distinct functions (3-5). Numb acts as a negative regulator of Notch signaling by promoting ubiquitination and degradation of Notch (6). The protein is asymmetrically segregated into one daughter cell during cell division, producing two daughter cells with different responses to Notch signaling and different cell fates (7,8). The localization of Numb can also be regulated by G protein-coupled receptor (GPCR) and protein kinase C (PKC) signaling (9).			
rences	1. Berdnik, D. et al. (2002) <i>Dev. Cell</i> 3, 221-231. 2. Santolini, E. et al. (2000) <i>J. Cell Biol.</i> 151, 1345-1352. 3. Dho, S.E. et al. (1999) <i>J. Biol. Chem.</i> 274, 33097-33104. 4. Verdi, J.M. et al. (1999) <i>Proc. Natl. Acad. Sci. USA</i> 96, 10472-10476. 5. Toriya, M. et al. (2006) <i>Dev. Neurosci.</i> 28, 142-155. 6. McGill, M.A. and McGlade, C.J. (2003) <i>J. Biol. Chem.</i> 278, 23196-23203. 7. Verdi, J.M. et al. (1996) <i>Curr. Biol.</i> 6, 1134-1145. 8. Reugels, A.M. et al. (2006) <i>Dev. Dyn.</i> 235, 934-948. 9. Dho, S.E. et al. (2006) <i>Mol. Biol. Cell</i> 17, 4142-4155.			
	нм R Mḱ ivity ion	Application Flow Cytometry (Fixed/P Supplied in PBS (pH 7.2), antibody. Protect from li ivity Numb (C29G11) Rabbit r Monoclonal antibody is p residues surrounding Ala This Cell Signaling Techn direct flow cytometric an cross-reactivity as the ur Numb contains an amine endocytic binding motifs indicating a role in endo differentially expressed a Notch signaling by prom asymmetrically segregat with different responses also be regulated by G p 1. Berdnik, D. et al. (2002 2. Santolini, E. et al. (2002 3. Dho, S.E. et al. (1999) 4. Verdi, J.M. et al. (1999) 5. Toriya, M. et al. (2006) 6. McGill, M.A. and McGl. 7. Verdi, J.M. et al. (1996) 8. Reugels, A.M. et al. (2006)	Application Flow Cytometry (Fixed/Permeabilized) Supplied in PBS (pH 7.2), less than 0.1% sodium as antibody. Protect from light. Do not freeze. ivity Numb (C29G11) Rabbit mAb (PE Conjugate) detection Monoclonal antibody is produced by immunizing residues surrounding Ala570 of human Numb prodirect flow cytometric analysis in human cells. This cross-reactivity as the unconjugated Numb (C29G Numb contains an amino-terminal phosphotyrosi endocytic binding motifs for α-adaptin and EH (Epindicating a role in endocytosis (1,2). There are for differentially expressed and may have distinct fun Notch signaling by promoting ubiquitination and asymmetrically segregated into one daughter cell with different responses to Notch signaling and dalso be regulated by G protein-coupled receptor (1). Berdnik, D. et al. (2002) Dev. Cell 3, 221-231. 2. Santolini, E. et al. (2002) Dev. Cell 3, 221-231. 3. Dho, S.E. et al. (1999) J. Biol. Chem. 274, 33097-34. Verdi, J.M. et al. (1999) Proc. Natl. Acad. Sci. USA 5. Toriya, M. et al. (2006) Dev. Neurosci. 28, 142-156. McGill, M.A. and McGlade, C.J. (2003) J. Biol. Chem. 7. Verdi, J.M. et al. (1996) Curr. Biol. 6, 1134-1145. 8. Reugels, A.M. et al. (2006) Dev. Dyn. 235, 934-94.	Application Flow Cytometry (Fixed/Permeabilized) Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BS, antibody. Protect from light. Do not freeze. ivity Numb (C29G11) Rabbit mAb (PE Conjugate) detects endogenous levels on Monoclonal antibody is produced by immunizing animals with a synth residues surrounding Ala570 of human Numb protein. This Cell Signaling Technology antibody is conjugated to phycoerythrin direct flow cytometric analysis in human cells. This antibody is expecte cross-reactivity as the unconjugated Numb (C29G11) Rabbit mAb #275 Numb contains an amino-terminal phosphotyrosine binding (PTB) dornendocytic binding motifs for α-adaptin and EH (Eps15 homology) domindicating a role in endocytosis (1,2). There are four mammalian Numb differentially expressed and may have distinct functions (3-5). Numb a Notch signaling by promoting ubiquitination and degradation of Notch asymmetrically segregated into one daughter cell during cell division, with different responses to Notch signaling and different cell fates (7,8 also be regulated by G protein-coupled receptor (GPCR) and protein king the protein of the protein o

Species Reactivity

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

Applications Key

FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human M: Mouse R: Rat Mk: Monkey

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