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Phospho-EGF Receptor (Tyr998) (C24A5) Rabbit mAb

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

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 175	Source/Isotype: Rabbit IgG	UniProt ID: #P00533	Entrez-Gene Id: 1956
Product Usage Information	2	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
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.				
Specificity/Ser	nsitivity		at Tyr998. This ant	Rabbit mAb detects endo ibody may weakly cross-		
Source / Purifi	cation			nunizing animals with a s yr998 of human EGF rec		eptide
Background		HER/ErbB protein fam activation of downstre of EGF receptor (EGFR) maintaining the active is involved in phospho resulting in activation creates a major dockir degradation following phospho-Tyr1068 (9). / site for the Shc scaffol Phosphorylation of EG EGFR carboxy-termina of either of these serir Phosphorylation of EG Phosphorylation of EG	ily. Ligand binding am signaling, inter) at Tyr845 in the ki state enzyme, and rylation of EGFR at of PLCy-mediated of gite for the adap EGFR activation (7, A pair of phosphon d protein, with bot IFR at specific serin I residues Ser1046 hes results in upreg F receptor on Tyr9 LC-MS/MS platform rechnology (11). Ph	tor is a transmembrane results in receptor dime nalization, and lysosom nase domain is implicate providing a binding sur Tyr845 (5). The SH2 don downstream signaling (6 tor protein c-Cbl, leading 8). The GRB2 adaptor pr ylated EGFR residues (Ty h sites involved in MAP k e and threonine residue and Ser1047 are phosph yulated EGFR tyrosine au 98 was identified at Cell of phosphorylation site osphorylation of EGF reco	rization, autophosp al degradation (1,2) ed in stabilizing the face for substrate p hain of PLCγ binds a). Phosphorylation g to receptor ubiqu otein binds activate r1148 and Tyr1173) cinase signaling acti s attenuates EGFR k oorylated by CaM ki tophosphorylation Signaling Technologe e discovery as well a	horylation, . Phosphorylation activation loop, proteins (3,4). c-Src at phospho-Tyr992, of EGFR at Tyr1045 itination and ed EGFR at provide a docking ivation (2). kinase activity. nase II; mutation (10). gy (CST) using as another
Background R	eferences	1. Hackel, P.O. et al. (19 2. Zwick, E. et al. (1999 3. Cooper, J.A. and How 4. Hubbard, S.R. et al. (1 5. Biscardi, J.S. et al. (1 6. Emlet, D.R. et al. (19 7. Levkowitz, G. et al. (8. Ettenberg, S.A. et al 9. Rojas, M. et al. (1996 10. Feinmesser, R.L. et 11. Wolf-Yadlin, A. et a) Trends Pharmacc vell, B. (1993) Cell 7 (1994) Nature 372, (999) J Biol Chem 272 97) J Biol Chem 272 1999) Mol Cell 4, 10 (1999) Oncogene 5) J Biol Chem 271, al. (1999) J Biol Chem 	<i>bl Sci</i> 20, 408-12. '3, 1051-4. 746-54. '4, 8335-43. 2, 4079-86.)29-40. 18, 1855-66. 27456-61.)-5865.	
Species Reacti	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot E	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20		membrane with diluted shaking, overnight.	primary antibody ii	n 5% w/v BSA, 1X
Applications K	ey	W: Western Blotting IF	?: Immunoprecipita	ation		

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Cross-Reactivity Key	H: Human
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