Phospho-EGF Receptor (Tyr845) (D63B4) Rabbit mAb
 Image: Cell Signaling Technology

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 175	Source/Isotype: Rabbit IgG	UniProt ID: #P00533	Entrez-Gene Id: 1956	
Product Usage Information	W	pplication estern Blotting munoprecipitation			<b>Dilution</b> 1:1000 1:100		
Storage				7.5), 150 mM NaCl, 100 not aliquot the antibody		rol and less than	
Specificity / Sensitivity		Phospho-EGF Receptor (Tyr845) (D63B4) Rabbit mAb recognizes endogenous levels of EGFR protein only when phosphorylated at Tyr845. This antibody may detect other activated ErbB family members.					
Species predicted t react based on 100 sequence homolog	%	use, Rat, Monkey					
Source / Purificatio		noclonal antibody is p idues surrounding Tyr		uunizing animals with a s GFR protein.	synthetic phosphopept	ide corresponding to	
Background	HE dov (EC acti pho acti maj folio A p pro spe Ser	R/ErbB protein family wnstream signaling, in GFR) at Tyr845 in the ive state enzyme, and osphorylation of EGFF ivation of PLCy-media jor docking site for the owing EGFR activatio hair of phosphorylated itein, with both sites in ecific serine and threo	Ligand binding ternalization, ar kinase domain i I providing a bin at Tyr845 (5). ated downstrean e adaptor proteir n (7,8). The GR EGFR residues twolved in MAP I nine residues at e phosphorylate	btor is a transmembrane results in receptor dime id lysosomal degradatio s implicated in stabilizin- ding surface for substra The SH2 domain of PLC n signaling (6). Phospho n c-Cbl, leading to recep B2 adaptor protein bind: (Tyr1148 and Tyr1173) kinase signaling activation tenuates EGFR kinase and d by CaM kinase II; mu prylation (10).	rization, autophosphor n (1,2). Phosphorylatic g the activation loop, n te proteins (3,4). c-Src y binds at phospho-Ty rylation of EGFR at Ty tor ubiquitination and c s activated EGFR at ph provide a docking site on (2). Phosphorylatior activity. EGFR carboxy	ylation, activation of on of EGF receptor naintaining the is involved in r992, resulting in r1045 creates a degradation nospho-Tyr1068 (9). for the Shc scaffold of EGFR at -terminal residues	
Background Refere	2. Z 3. C 4. F 5. E 6. E 7. L 8. E 9. F	Hackel, P.O. et al. (199 Zwick, E. et al. (1999) Cooper, J.A. and How Hubbard, S.R. et al. (1 Biscardi, J.S. et al. (19 Emlet, D.R. et al. (199 Levkowitz, G. et al. (19 Ettenberg, S.A. et al. (1 Rojas, M. et al. (1996) Feinmesser, R.L. et al.	Trends Pharma ell, B. (1993) Ce 994) Nature 372 999) J Biol Chem 7) J Biol Chem 999) Mol Cell 4, 1999) Oncogen J Biol Chem 27	col Sci 20, 408-12. // 73, 1051-4. 2, 746-54. 2 274, 8335-43. 272, 4079-86. 1029-40. e 18, 1855-66. 1, 27456-61.			
Species Reactivity	Spe	cies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	stern blot).	
Western Blot Buffe		ORTANT: For westerr ⁄6 Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5%	ó w/v BSA, 1X TBS,	

2/8/24, 11:35 AM Pł	nospho-EGF Receptor (Tyr845) (D63B4) Rabbit mAb (#6963) Datasheet Without Images Cell Signaling Te
Applications Key	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Ke	<ul> <li>Y</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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