Store at -20C

Phospho-EGF Receptor (Tyr1068) (D7A5) XP[®] Rabbit mAb



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

	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 175	Source/Isotype: Rabbit IgG	UniProt ID: #P00533	Entrez-Gene Id: 1956	
Product Usage	Ар	plication		Dilution			
Information	We	estern Blotting		1:100	1:1000		
	Sin	nple Western™		1:50 - 1:250			
	Imi	nunohistochemistry	(Paraffin)		1:200) - 1:800	
	Imi	nunofluorescence (Immunocytochen	1:400 - 1:1600			
	Flo	w Cytometry (Fixed	/Permeabilized)	1:1600			
Storage	0.02	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.					
	⊢or	a carrier-free (BSA	and azide free) v	ersion of this product se	e product #48576.		
Specificity / Sensitiv	pho	Phospho-EGF Receptor (Tyr1068) (D7A5) XP [®] Rabbit mAb detects endogenous EGF receptor only when phosphorylated at Tyr1068. This antibody may cross-react weakly with other tyrosine-phosphorylated proteins.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr1068 of human EGF receptor.					
Background	HEF dow (EG activ pho activ maj follo A pa prot sper Ser:	R/ErbB protein famil instream signaling, i FR) at Tyr845 in the ve state enzyme, an sphorylation of EGF vation of PLCy-med or docking site for th wing EGFR activati air of phosphorylate ein, with both sites i cific serine and thre	y. Ligand binding internalization, ar kinase domain i d providing a bin R at Tyr845 (5). iated downstream a adaptor protein on (7,8). The GR d EGFR residues involved in MAP I onine residues at are phosphorylate	btor is a transmembrane results in receptor dime ad 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 binds (Tyr1148 and Tyr1173) kinase signaling activation tenuates EGFR kinase a ed by CaM kinase II; mu prylation (10).	rization, autophospho n (1,2). Phosphorylati g the activation loop, r te proteins (3,4). c-Src y binds at phospho-T rylation of EGFR at T tor ubiquitination and s activated EGFR at p provide a docking site on (2). Phosphorylatio activity. EGFR carbox	rylation, activation of on of EGF receptor maintaining the c is involved in yr992, resulting in yr1045 creates a degradation hospho-Tyr1068 (9). e for the Shc scaffold n of EGFR at y-terminal residues	
Background Referen	2. Z 3. C 4. H 5. B 6. E 7. L 8. E 9. R	 Hackel, P.O. et al. (1999) <i>Curr Opin Cell Biol</i> 11, 184-9. Zwick, E. et al. (1999) <i>Trends Pharmacol Sci</i> 20, 408-12. Cooper, J.A. and Howell, B. (1993) <i>Cell</i> 73, 1051-4. Hubbard, S.R. et al. (1994) <i>Nature</i> 372, 746-54. Biscardi, J.S. et al. (1999) <i>J Biol Chem</i> 274, 8335-43. Emlet, D.R. et al. (1997) <i>J Biol Chem</i> 272, 4079-86. Levkowitz, G. et al. (1999) <i>Mol Cell</i> 4, 1029-40. Ettenberg, S.A. et al. (1999) <i>Oncogene</i> 18, 1855-66. Rojas, M. et al. (1996) <i>J Biol Chem</i> 271, 27456-61. Feinmesser, R.L. et al. (1999) <i>J Biol Chem</i> 274, 16168-73. 					

Species Reactivity

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

1/1/24, 8:08 AM Western Blot B	Phospho-EGF Receptor (Tyr1068) (D7A5) XP® Rabbit mAb (#3777) Datasheet Without Images Cell Signa 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 Ke	WB: Western Blotting W-S: Simple Western™ IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivit	 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 	
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