e at -20C	HER3/ErbB3 (1B2E) Rabbit mAb		Cell TEC	Signaling
Store		Orders	: c	877-616-CELL (2355) orders@cellsignal.com
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For Research Use Only. Not for Use in Diagnostic Procedures.							
Applications	Reactivity:	Sensitivity	MW (kDa)				

Applications: Read WB, IP	ctivity: Sensitivity: H Endogenous	<b>MW (kDa):</b> 185	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P21860	Entrez-Gene Id 2065
Product Usage Information	Application			Dilution	
	Immunoprecipitation			1:50	
Storage	Supplied in 10 mM sodiu 0.02% sodium azide. Sto	m HEPES (pH ] pre at –20°C. Do	7.5), 150 mM NaCl, 100 not aliquot the antibody	μg/ml BSA, 50% glyco /.	erol and less than
Specificity / Sensitivity	HER3/ErbB3 (1B2) Rabb does not cross-react with	(1B2) Rabbit mAb detects endogenous levels of total HER3/ErbB3 proteins. This antibody s-react with other ErbB family members.			
Species predicted to react based on 100% sequence homology:	Mouse, Rat				
Source / Purification	Monoclonal antibody is p residues surrounding Tyr	roduced by imm 867 of human E	nunizing animals with a strbB3.	synthetic peptide corre	esponding to
Background	HER3/ErbB3 is a member activity. Tyrosine phosph Upon ligand binding, hete phosphorylated on tyrosi tyrosine phosphorylation binding sites for signal tra- PI3 kinase, which mediat within a YXXM motif and Investigators have found ErbB3/PI3K pathway is of have demonstrated that in other ErbB members (e.g investigators view inhibititianti-tumor therapy.	er of the ErbB re orylation of ErbB erodimers form ne residues by to sites in the carb ansducing prote te ErbB downstr participate in si that ErbB3 is his correlated with m in tumor develop g., ErbB2 require ing interaction b	ceptor protein tyrosine I 33 depends on its assoc between ErbB3 and oth the activated ErbB kinas boxy-terminal tail of Erbf ins, including Src family eam signaling (3). Both gnaling to PI3K (4). ghly expressed in many halignant phenotypes of benent, ErbB3 may funct es ErbB3 to drive breast etween ErbB3 and ErbE	kinase family, but it lac itation with other ErbB er ErbB proteins, and ise (1,2). There are at la 33. These sites serve members, Grb2, and Tyr1222 and Tyr1289 cancer cells (5) and a adenocarcinomas (6). ion as an oncogenic u tumor cell proliferatio b tyrosine kinases as a	ks tyrosine kinase tyrosine kinases. ErbB3 is east 9 potential as consensus the p85 subunit of of ErbB3 reside activation of the Research studies nit together with n) (7). Thus, a novel strategy for
Background References	<ol> <li>Yarden, Y. and Sliwkov</li> <li>Guy, P.M. et al. (1994)</li> <li>Songyang, Z. et al. (194)</li> <li>Kim, H.H. et al. (1994)</li> <li>Sithanandam, G. et al.</li> <li>Kobayashi, M. et al. (2003)</li> </ol>	wski, M.X. (2001 Proc Natl Acad 993) Cell 72, 76 J Biol Chem 26 (2003) Carcino 2003) Oncogene Proc Natl Acad	<ol> <li>Nat Rev Mol Cell Biol Sci U S A 91, 8132-6.</li> <li>7-78.</li> <li>9, 24747-55. genesis 24, 1581-92.</li> <li>22, 1294-301. Sci U S A 100, 8933-8.</li> </ol>	2, 127-37.	
Species Reactivity	Species reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffer	IMPORTANT: For westerr 0.1% Tween® 20 at 4°C v	n blots, incubate vith gentle shaki	membrane with diluted ng, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Key	WB: Western Blotting IP:	: Immunoprecipi	tation		

https://www.cellsignal.com/datasheet.jsp?productId=4754&images=0&protocol=0

1/1/24, 3:46 PM	HER3/ErbB3 (1B2E) Rabbit mAb (#4754) Datasheet Without Images Cell Signaling Technology			
	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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