

12048

EREG (D4O5I) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 17,19, 30	Source/Isotype: Rabbit IgG	UniProt ID: #O14944	Entrez-Gene Id: 2069
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
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/Sensitivity		EREG (D4O5I) Rabbit mAb recognizes endogenous levels of proepiregulin and the C-terminal propeptide of the EREG protein. It does not recognize the mature form of EREG.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu155 of human EREG protein.				
Background		receptor (EGFR) and Erl containing EGFR or Erb growth and proliferation placenta and periphera high levels in numerou aggresiveness/metasta also been shown to be glycosylated membran	bB4 (1-3). The bind B4, leads to recep on (4-6). In normal al blood macropha is cancer cell lines, ases (7-11). In addi associated with tu e bound proepires ccleavage is proce	al growth factor (EGF) faing of EREG to homodin for activation and down human tissue, moderate ges. Research studies ha and EREG expression is tion to its involvement in berculosis susceptibility julin form (19 kDa when ssed to a 17 kDa C-termi	ners, as well as het stream signaling to e levels of EREG are ave shown that ERE correlated with pri n tumorigenesis, a (12). EREG is synth not glycosylated) a	erodimers promote cell expressed in the G is expressed at mary cancer variant of EREG has esized as a ~30 kDa and through
Background References		 Olayioye, M.A. et al. (2000) EMBO J 19, 3159-67. Shelly, M. et al. (1998) J Biol Chem 273, 10496-505. Komurasaki, T. et al. (1997) Oncogene 15, 2841-8. Komurasaki, T. et al. (2002) Growth Factors 20, 61-9. Shirakata, Y. et al. (2000) J Biol Chem 275, 5748-53. Toyoda, H. et al. (1995) J Biol Chem 270, 7495-500. Toyoda, H. et al. (1997) Biochem J 326 (Pt 1), 69-75. Zhu, Z. et al. (2000) Biochem Biophys Res Commun 273, 1019-24. Kuramochi, H. et al. (2012) BMC Cancer 12, 88. Zhang, J. et al. (2008) Cancer Prev Res (Phila) 1, 201-7. Sunaga, N. et al. (2012) Oncogene, Thuong, N.T. et al. (2012) Genes Immun 13, 275-81. Baba, I. et al. (2000) Cancer Res 60, 6886-9. 				

Species Reactivity

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

Western Blot 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 Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human

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