

Cat. No:	AB-10103
Size:	100 ul
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Reactivity:	Ms, Rt, Hu, Ha, Ch
Applications:	Western blotting: 1:1000 The antigen should be separated in SDS-PAGE under non reducing condition. When using a secondary antibody labelled with peroxidase and ECL development. Immunoprecipitation: Optimal dilutions should be determined by end user. Elisa: Optimal dilutions should be determined by end user.
Molecular Weight:	170kDa
Purification:	Serum
Background:	The cell surface receptor for the Epidermal growth factor is a 170kD cell surface glycoprotein endowed with tyrosine kinase activity. In addition to the Epidermal growth factor several additional ligands have been reported to interact with this receptor among which TGF α , β -cellulin, heparin binding-EGF and amphiregulin. Upon ligand binding the receptor becomes tyrosine autophosphorylated and binds adaptor molecules such as Shc leading to the activation of several distinct signalling pathways. Among these one of the best known is the Ras/MAP kinases pathway. The antibody to the EGF-R is useful for a variety of studies such as analysis of the distribution and expression by western blotting and immunoprecipitation.
Form:	Liquid
Buffer:	Antiserum in 0.05% sodium azide as preservative
Storage:	At +4°C for short term. At -20°C for long term in small aliquots. Avoid freezing/thaw cycles.



Western blot analysis of extracts of A-431 cells, using EGFR antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST

References

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-Tokunaga A, Onda M, Okuda T, Teramoto T, Fujita I, Mizutani T, Kiyama T, Yoshiyuki T, Nishi K, Matsukura N (1995) Clinical

significance of epidermal growth factor (EGF), EGF receptor, and c-erbB-2 in human gastric cancer. *Cancer* 75:1418-1425
-Chrysogelos SA, Dickson RB (1994) EGF receptor expression, regulation, and function in breast cancer. *Breast Cancer Res Treat* 29:29-40
-Khazaie K, Schirmacher V, Lichtner RB (1993) EGF receptor in neoplasia and metastasis. *Cancer Metastasis Rev* 12:255-274
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