

## EGFR(Ab-1092) Antibody

Catalog No: #21074

Package Size: #21074-1 50ul #21074-2 100ul

## Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | EGFR(Ab-1092) Antibody                                                                                                                                                        |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB IHC                                                                                                                                                                        |
| Species Reactivity    | Hu Rt                                                                                                                                                                         |
| Specificity           | The antibody detects endogenous level of total EGFR protein.                                                                                                                  |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa. 1090~1094 (P-E-Y-I-N) derived from Human EGFR.                                                                                                    |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | EGFR                                                                                                                                                                          |
| Other Names           | Receptor tyrosine-protein kinase ErbB-1                                                                                                                                       |
| Accession No.         | Swiss-Prot: P00533NCBI Protein: NP_005219.2                                                                                                                                   |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

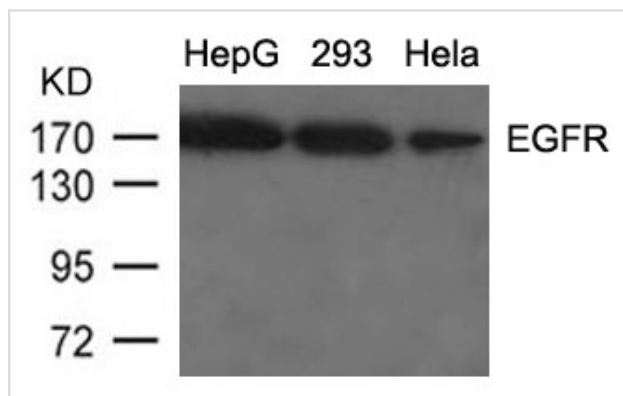
## Application Details

Predicted MW: 175kd

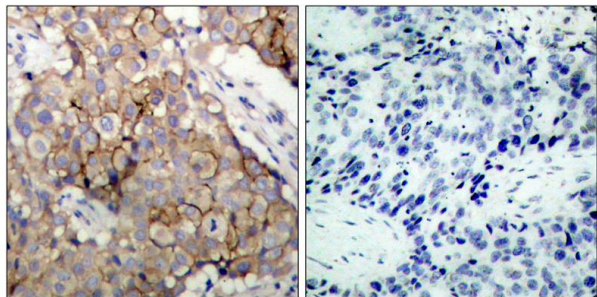
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HepG2, 293 and HeLa cells using EGFR(Ab-1092) Antibody #21074.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using EGFR(Ab-1092) Antibody #21074(left) or the same antibody preincubated with blocking peptide(right).

## Background

Receptor for EGF, but also for other members of the EGF family, as TGF- $\alpha$ , amphiregulin, betacellulin, heparin-binding EGF-like growth factor, GP30 and vaccinia virus growth factor. Is involved in the control of cell growth and differentia

Buerger C, et al. (2003) J Biol Chem; 278(39): 37610-21.

Wang XQ, (2003) J Biol Chem; 278(49): 48770-8.

Saito T, et al. (2004) Endocrinology; 145(9): 4232-43.

Pao W, et al. (2004) Proc Natl Acad Sci U S A; 101(36): 13306-11.

Mattila E, et al. (2005) Nat Cell Biol; 7(1): 78-85.

## Published Papers

el at., Cytoplasmic retention of a nucleocytoplasmic protein TBC1D3 by microtubule network is required for enhanced EGFR signaling.In PLoS One on 2014 Apr 8 by Ze He, Tian Tian et al..PMID:24714105, , (2014)

[PMID:24714105](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.