

## EGFR(Phospho Tyr1197) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP08759
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human EGFR around the phosphorylation site of Tyr1197. AA range:1161-1210
<b>Mol wt</b>	134277
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Epidermal growth factor receptor
<b>Synonyms</b>	Epidermal growth factor receptor; EGFR; ERBB; ERBB1; HER1; Epidermal growth factor receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.

### Recommended Dilution

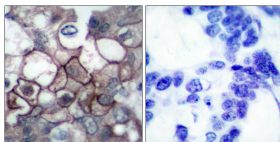
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

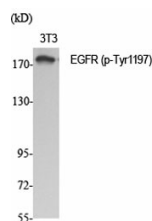
ELISA: 1: 10000

Not yet tested in other applications.

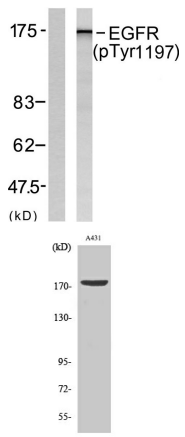
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using EGFR (Phospho-Tyr1197) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-EGFR (Y1197) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of A431 cells using Phospho-EGFR (Y1197) Polyclonal Antibody diluted at 1:1000

Western blot analysis of lysates from A431 cells treated with EGF 40  $\mu$ M 10', using EGFR (Phospho-Tyr1197) Antibody. The lane on the left is blocked with the phospho peptide.

### Storage

-20°C for 1 year

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