

## 35-1176: Polyclonal Antibody to EGFR (Phospho-Thr678)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human,Mouse,Rat
<b>Gene :</b>	EGFR
<b>Gene ID :</b>	1956
<b>Uniprot ID :</b>	P00533
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ERBB1, Receptor protein-tyrosine kinase ErbB-1, kinase EGFR
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of threonine 678 (K-R-T(p)-L-R) derived from Human EGFR.

### Description

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 differentiation. Phosphorylates MUC1 in breast cancer cells and increases the interaction of MUC1 with SRC and CTNNB1/beta-catenin. Doherty JK, et al. (1999) Proc Natl Acad Sci U S A; 96(19): 10869-10874 Wu TT, et al. (1998) Mol Biol Cell; 9(7): 1661-1674 O

### Product Info

<b>Amount :</b>	50 $\mu$ l / 100 $\mu$ l
<b>Content :</b>	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.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 175kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

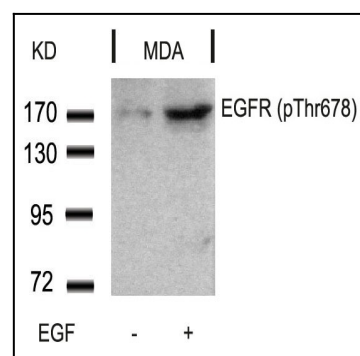


Figure 1: Western blot analysis of extracts from MDA cells untreated or treated with EGF using EGFR(Phospho-Thr678) Antibody 35-1176 .

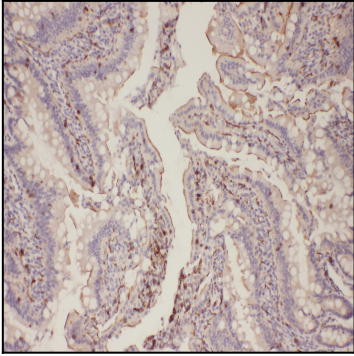


Figure 2: Immunohistochemical analysis of paraffin-embedded Rat Colorectal tissue using EGFR (Phospho-Thr678) Antibody 35-1176 .