# EGFR(Phospho-Thr678) Antibody

Catalog No: #11186

Package Size: #11186-1 50ul #11186-2 100ul #11186-4 25ul

## Overview

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|---|---|
| Product Name | EGFR(Phospho-Thr678) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Applications | WB IHC |
| Species Reactivity | Hu Ms Rt |
| Immunogen Type | Peptide-KLH |
| Target Name | EGFR |
| Modification | Phospho-Thr678 |
| Alternative Names | ERBB1; Receptor protein-tyrosine kinase ErbB-1; kinase EGFR |

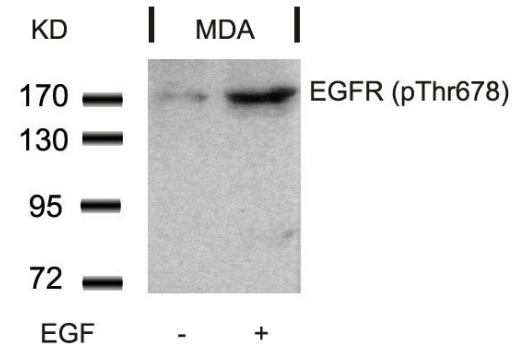
## Application Details

Predicted MW: 175kd

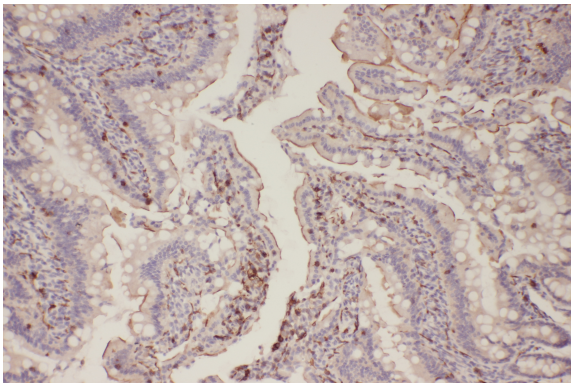
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images




Western blot analysis of extracts from MDA cells untreated or treated with EGF using EGFR(Phospho-Thr678) Antibody #11186.



Immunohistochemical analysis of paraffin-embedded Rat Colorectal tissue using EGFR (Phospho-Thr678) Antibody #11186.

## Descriptions

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|---|---|
| Immunogen | Peptide sequence around phosphorylation site of threonine 678 (K-R-T(p)-L-R) derived from Human EGFR. |
| Specificity | The antibody detects endogenous level EGFR only when phosphorylated at threonine 678. |
| Purifiction | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide. |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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. |
| Accession NO. | Swiss-Prot: P00533NCBI Protein: NP_005219.2 |

## Related Information

Receptor for EGF, but also for other members of the EGF family, as TGF-a, 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

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