

## Rabbit anti-Human EGF Receptor Monoclonal Antibody | anti-EGF antibody

Phospho-EGF Receptor (Tyr1068) Antibody, Rabbit Mab

|                               |                       |                            |                                     |
|-------------------------------|-----------------------|----------------------------|-------------------------------------|
| CATALOG #<br><b>AAA258878</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Western Blot</b> |
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### PRODUCT SYNONYMS

EGF Receptor; Monoclonal Antibody; Phospho-EGF Receptor (Tyr1068) Antibody; Rabbit Mab; epidermal growth factor receptor; Anti-ERBB Antibody; Anti-ERBB1 Antibody; Anti-HER1 Antibody; Anti-mENA Antibody; Anti-NISBD2 Antibody; Anti-PIG61 Antibody; anti-EGF antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                       |
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| Host                                          | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                 |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                            |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                            |
| Clone Number                                  | #0027                                                                                                                                                                                                                                                                 |
| Specificity                                   | Human Phospho-EGF Receptor (Tyr1068), which correspond to Phospho-EGF Receptor (Tyr1092) of P00533-1 in UniProt.                                                                                                                                                      |
| Purity/Purification                           | Protein A                                                                                                                                                                                                                                                             |
| Form/Format                                   | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-EGF antibody | WB (Western Blot)                                                                                                                                                                                                                                                     |
| Immunogen                                     | A synthetic peptide corresponding to the residues around Tyr1068 of Human Phospho-EGF Receptor                                                                                                                                                                        |
| Preparation                                   | This antibody was obtained from a rabbit immunized with a synthetic peptide corresponding to the residues around Tyr1068 of Human Phospho-EGF Receptor.                                                                                                               |
| Preparation and Storage                       | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, treated with EGF (100 ng/mL, 10 min), using Phospho-EGF Receptor (Tyr1068) Antibody (#AAA258878) and other brands' antibodies (company C) at dilution of 1:1000, 1:10000 and 1:200000.



#### WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with EGF (100 ng/mL, 10min) using Phospho-EGF Receptor (Tyr1068) rabbit monoclonal Antibody (#AAA258878) at 1:10000 dilution (upper), or Anti-EGFR Antibody, Rabbit Polyclonal at 1:1000 dilution (lower).

ADDITIONAL INFORMATION

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| Related Product Information for anti-EGF antibody | As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF-alpha, betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently. |
| References                                        | Schlessinger, J. (2000) Cell signaling by receptor tyrosine kinases. Cell 103(2): 211-25.<br>Giaccone, G. (2005) HER1/EGFR-targeted agents: predicting the future for patients with unpredictable outcomes to therapy. Ann. Oncol. 16(4): 538-48.<br>Yarden, Y., et al. (2001) Untangling the ErbB signalling network. Nat. Rev. Mol. Cell. Biol. 2(2): 127-37.                                                                                                                                                                                                                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/egf-receptor-antibody-clone-0027-western-blot-elisa/258878>