# Goat Anti-EGFR Polyclonal Antibody

*CPB-868GH Goat(EGFR)*
*Lot. No. (See product label)*

## PRODUCT INFORMATION

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| ***Product Overview*** | Goat Anti-EGFR Polyclonal Antibody |
| ***Antigen 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 differentia |
| ***specificity*** | The antibody detects endogenous level of total EGFR protein. |
| ***Target*** | EGFR |
| ***Immunogen*** | Peptide sequence around phosphorylation site of tyrosine 1197 (A-E-Y(p)-L-R) derived from Human EGFR. |
| ***Host*** | Goat |
| ***Species*** | Human |
| ***Cross Reactivity*** | Human; Mouse; Rat |
| ***conjugation*** | N/A |
| ***Applications*** | WB |

## PACKAGING

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| ***Format*** | 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 /1 year |

## ANTIGEN GENE INFORMATION

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| ***Gene Name*** | EGFR epidermal growth factor receptor [ Homo sapiens ] |
| ***Official Symbol*** | EGFR |
| ***Synonyms*** | EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61; |
| ***GeneID*** | 1956 |
| ***mRNA Refseq*** | NM_005228 |
| ***Protein Refseq*** | NP_005219 |
| ***MIM*** | 131550 |
| ***UniProt ID*** | P00533 |
| ***Chromosome Location*** | 7p12 |


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| ***Pathway*** | Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem; Bladder cancer, organism-specific biosystem; |
| ***Function*** | ATP binding; MAPK/ERK kinase kinase activity; actin filament binding; double-stranded DNA binding; enzyme binding; epidermal growth factor-activated receptor activity; epidermal growth factor-activated receptor activity; identical protein binding; contributes_to nitric-oxide synthase regulator activity; nucleotide binding; protein binding; protein heterodimerization activity; protein phosphatase binding; protein tyrosine kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity; receptor activity; receptor signaling protein tyrosine kinase activity; signal transducer activity; transmembrane receptor protein tyrosine kinase activity; transmembrane receptor protein tyrosine kinase activity; transmembrane signaling receptor activity; |


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