**Rabbit anti-human Pro-epidermal growth factor polyclonal Antibody;**

**HRP conjugated**

**Catalog Number:** **CSB-PA06244B0Rb**

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| **Synonym Names** | EGF, Urogastrone |
| **Product type** | Primary antibodies |
| **Description** | Rabbit polyclonal to EGF |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Reacts with** | Human; Other species are not tested. Please decide the specificity by homology. |
| **Conjugate** | HRP conjugated |
| **Purity** | Caprylic Acid Ammonium Sulfate Precipitation purified |
| **Storage buffer** | Preservative: 0.03% Proclin 300  Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| **Storage** | Shipped at 4°C Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze. |
| **Form** | Liquid |
| **Raised in** | Rabbit |
| **Tested applications** | ELISA, WB; Not yet tested in other applications. |
| **Function** | EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. |
| **References** | [1]"Crystal structure of the complex of human epidermal growth factor and receptor extracellular domains."Ogiso H., Ishitani R., Nureki O., Fukai S., Yamanaka M., Kim J.H., Saito K., Sakamoto A., Inoue M., Shirouzu M., Yokoyama S.Cell 110:775-787(2002).  [2]"EGF activates its receptor by removing interactions that autoinhibit ectodomain dimerization."Ferguson K.M., Berger M.B., Mendrola J.M., Cho H.S., Leahy D.J., Lemmon M.A.Mol. Cell 11:507-517(2003) .  [3]"Structural evidence for loose linkage between ligand binding and kinase activation in the epidermal growth factor receptor."Lu C., Mi L.Z., Grey M.J., Zhu J., Graef E., Yokoyama S., Springer T.A.Mol. Cell. Biol. 30:5432-5443(2010). |