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# Product datasheet for AP02093SU-N

## EGFR Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IF, WB |
| **Recommended Dilution:** | **ELISA:** 1/10.000 (Ref.1).<br>**Immunfluorescence:** 1/1000.<br>**Western blot:** 1/500. |
| **Reactivity:** | Human |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Human native EGF-Receptor |
| **Specificity:** | This antibody detects EGF-Receptor. |
| **Formulation:** | State: Serum<br>State: Lyophilized serum |
| **Reconstitution Method:** | Restore in aqua bidest to initial volume. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Database Link:** | Entrez Gene 1956 Human<br>P00533 |

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**Background:** Protein kinases are enzymes that transfer a phosphate group from a phosphate donor onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. The protein kinase family is one of the largest families of proteins in eukaryotes, classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. Epidermal Growth factor receptor (EGFR) is the prototype member of the type 1 receptor tyrosine kinases. EGFR overexpression in tumors indicates poor prognosis and is observed in tumors of the head and neck, brain, bladder, stomach, breast, lung, endometrium, cervix, vulva, ovary, esophagus, stomach and in squamous cell carcinoma.

**Synonyms:** Epidermal growth factor receptor, EGF Receptor, erbB-1, c-ErbB-1

**Note:** LocusID 1956