Product datasheet Anti-EGF Antibody Catalog Number: PB0904



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

| Basic Information | |
|--------------------|--|
| Product Name | Anti-EGF Antibody |
| Gene Name | EGF |
| Source | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Species Reactivity | mouse |
| Tested Application | WB, ELISA |
| Contents | 500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol. |
| Immunogen | E. coli-derived mouse EGF recombinant protein (Position: N977-R1029). Mouse EGF shares 69.8% and 77.4% amino acid (aa) sequence identity with human and rat EGF. |
| Concentration | 500 ug/ml |
| Purification | Immunogen affinity purified. |
| Observed MW | 134 kDa |
| Dilution Ratios | Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000 |

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

EGF is known as epidermal growth factor. This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. Additionally, it acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Reference

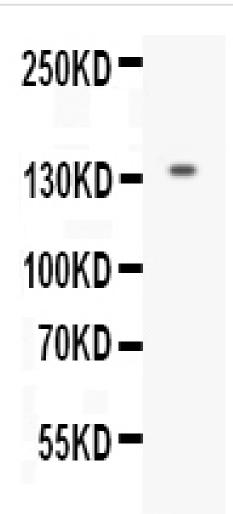


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Anti-EGF Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of EGF using anti-EGF antibody (PB0904). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse kidney tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-EGF antigen affinity purified polyclonal antibody (PB0904) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for EGF at approximately 134 kDa. The expected band size for EGF is at 133 kDa.