

## HBEGF Polyclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Primary Antibody  |
| <b>Code</b>                    | BT-AP09826  |
| <b>Host</b>                    | Rabbit  |
| <b>Isotype</b>                 | IgG   |
| <b>Size</b>                    | 20ul, 50ul, 100ul   |
| <b>Immunogen</b>               | Synthesized peptide derived from human protein . at AA range: 130-210   |
| <b>Mol wt</b>                  | N/A   |
| <b>Species reactivity</b>      | Human, Rat, Mouse   |
| <b>Clonality</b>               | Polyclonal  |
| <b>Recommended application</b> | WB, ELISA   |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Full name</b>               | Proheparin-binding EGF-like growth factor [Cleaved into: Heparin-binding EGF-like growth factor   |
| <b>Synonyms</b>                | Proheparin-binding EGF-like growth factor [Cleaved into: Heparin-binding EGF-like growth factor ;HB-EGF;HBEGF;Diphtheria toxin receptor;DT-R] |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.,PTM:O-linked glycan attachment sites were determined by Edman degradation, O-glycanase digest suggests mucin-type glycosylation (done in HB-EGF purified from histiocytic lymphoma cell line U-937).,PTM:Several N-termini have been identified by direct sequencing. The forms with N-termini 63, 73 and 74 have been tested and found to be biologically active.,Contains 1 EGF-like domain.,subcellular location:Mature HB-EGF is released into the extracellular space and probably binds to a receptor.,

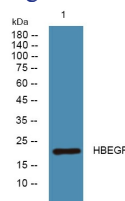
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year