

HBEGF Polyclonal Antibody

Description

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

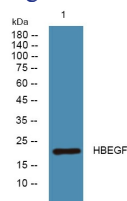
Recommended Dilution

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