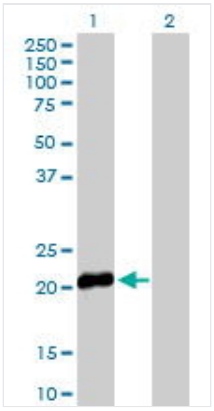
HBEGF Antibody – Rabbit Polyclonal

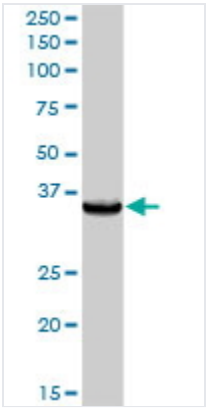
PRODUCT OVERVIEW

Product Name	HBEGF, Polyclonal Antibody
Full Product Name	HBEGF (heparin-Binding EGF-like Growth Factor, DTR, DTS, DTSF, HEGFL) (FITC)
Product Gene Name	anti-HBEGF antibody
Product Synonym Names	heparin-Binding EGF-like Growth Factor; DTR; DTS; DTSF; HEGFL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human HBEGF.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor made in assay buffer.
Molecular Weight	23,067 Da
OMIM	126150
3D Structure	ModBase 3D Structure for Q99075
Immunogen	HBEGF (NP_001936.1, 1aa-208aa) full-length human protein.
Immunogen Sequence	MKLLPSVVLKLFLAAVLSALVTGESLERLRRGLAAGTSNPDPPTVSTDQLLPLGGGRDRKVRDLQEADLDLLRVTLSSKPQALATPNKEEHGKRKKKGKG
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-HBEGF antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-HBEGF antibody	Western Blot (WB)
Application Notes for anti-HBEGF antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-HBEGF antibody	MBS6451072 is an antibody targeting HBEGF. Also known as HBEGF (heparin-Binding EGF-like Growth Factor, DTR, DTS, DTSF, HEGFL) (FITC). R
Other Notes	Small volumes of anti-HBEGF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces additional dry ice fee may apply.



Western Blot (WB) of anti-HBEGF antibody
Western Blot analysis of HBEGF expression in transfected 293T cell line by HBEGF MaxPab polyclonal antibody.Lane 1: HBEGF transfected lysate(23.10 KDa).Lane 2: Non-transfected lysate.



Western Blot (WB) of anti-HBEGF antibody
HBEGF MaxPab rabbit polyclonal antibody. Western Blot analysis of HBEGF expression in human liver.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HBEGF. It may not necessarily be applicable to this product.

NCBI GI #	4503413
NCBI GeneID	1839
NCBI Accession #	NP_001936.1
UniProt Primary Accession #	Q99075
UniProt Secondary Accession #	B2R821
UniProt Related Accession #	Q99075
GenBank Nucleotide #	NM_001945.2
NCBI Official Full Name	proheparin-binding EGF-like growth factor
NCBI Official Synonym Full Names	heparin-binding EGF-like growth factor
NCBI Official Symbol	HBEGF
NCBI Official Synonym Symbols	DTR; DTS; DTSF; HEGFL
UniProt Protein Name	Proheparin-binding EGF-like growth factor
UniProt Synonym Protein Names	Diphtheria toxin receptor
Protein Family	Proheparin-binding EGF-like growth factor
UniProt Gene Name	HBEGF
UniProt Synonym Gene Names	DTR; DTS; HEGFL; HB-EGF; HBEGF; DT-R
UniProt Entry Name	HBEGF_HUMAN
NCBI Protein Information	proheparin-binding EGF-like growth factor; heparin-binding epidermal growth factor; diphtheria toxin receptor (heparin-binding EGF-like growth factor); diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)

UniProt Comments for HBEGF	HBEGF: Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR 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. Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 5q23 Cellular Component: extracellular space; cell surface; integral to plasma membrane; plasma membrane; extracellular region Molecular Function: heparin binding; growth factor activity; epidermal growth factor receptor binding Biological Process: epidermal growth factor receptor signaling pathway; positive regulation of keratinocyte migration; muscle development; fibroblast growth factor receptor signaling pathway; phosphoinositide-mediated signaling; nerve growth factor receptor signaling pathway; negative regulation of elastin biosynthetic process; positive regulation of smooth muscle cell proliferation; pathogenesis; signal transduction; positive regulation of cell growth; regulation of heart contraction; positive regulation of protein kinase B signaling cascade; positive regulation of cell proliferation; innate immune response; wound healing, spreading of epidermal cells; positive regulation of cell migration
Research Articles on HBEGF	**1.** studies suggest disintegrin and metalloproteinase domain-containing protein 12(ADAM 12S) and heparin-binding epidermal growth factor-like growth factor(HB-EGF) are involved in cellular plasticity resulting in production of brown adipose tissue-like cells
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