

Rabbit HB-EGF Polyclonal Antibody | anti-HB-EGF antibody

HB-EGF Polyclonal Antibody

CATALOG # AAA179082	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

HB-EGF; Polyclonal Antibody; HB-EGF Polyclonal Antibody; HBEGF; DTR; DTS; DTSF; HEGFL; anti-HB-EGF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-HB-EGF antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human HB-EGF
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using HB-EGF Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using HB-EGF Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Rat kidney using HB-EGF Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-HB-EGF antibody	Heparin-binding EGF-like growth factor (HB-EGF) is 12-16 kDa member of the epidermal growth factor (EGF)family. It possesses an EGF-like domain, and a heparin-binding motif. Mature HB-EGF is soluble peptide that arises from proteolytic processing of the transmembrane form. Human HB -EGF shows 76% and 73% aasequence identity with rat and mouse HB-EGF, respectively. It is required for normal cardiac valve formationand normal heart function, promotes smooth muscle cell proliferation. It may be involved in macrophage-mediated cellular proliferation; it is mitogenic for fibroblasts, but not endothelial cells. HB-EGF classified as a group 2 ErbB ligand based on its ability to activate both the EGF/ErbB1 and ErbB4 receptors. Activity associated with ErbB4 binding appears to be limited to non -mitogenic actions, while EGFR binding induces both mitogenic and non-mitogenic activity.
Product Categories/Family for anti-HB-EGF antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503413
NCBI GeneID	1839
NCBI Accession #	NP_001936.1
NCBI GenBank Nucleotide #	NM_001945.2
UniProt Accession #	Q99075; B2R821
Molecular Weight	23,067 Da
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
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 Protein Name	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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hb-egf-antibody-immunofluorescence-western-blot-elisa/179082>