

Rabbit HBEGF Polyclonal Antibody | anti-HBEGF antibody

HBEGF Polyclonal Antibody

CATALOG # AAA28122	HOST Rabbit	APPLICATIONS Western Blot, Immunofluorescence, Immunocytochemistry
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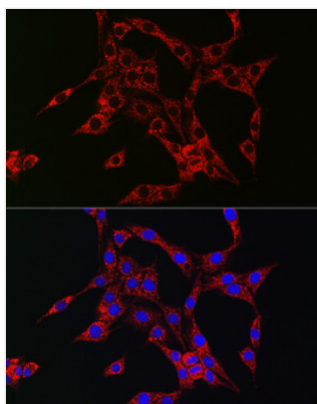
PRODUCT SYNONYMS

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

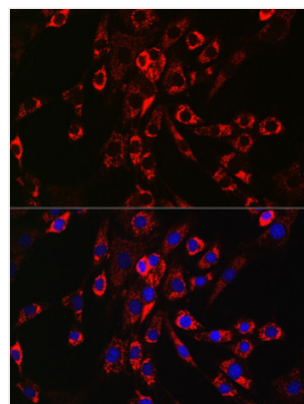
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	208
Applicable Applications for anti-HBEGF antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500 - 1:2000 IF/ICC: 1:50-1:200
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-160 of human HBEGF (NP_001936.1)
Species Reactivity / Cross Reactivity	Human, Mouse, Rat
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

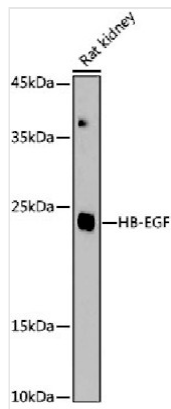
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using HB-EGF Rabbit pAb (AAA28122) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.

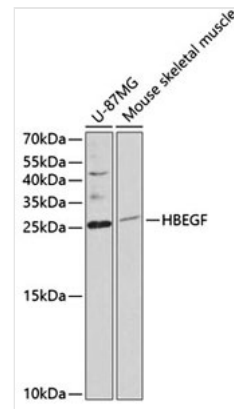

IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using HB-EGF Rabbit pAb (AAA28122) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Rat kidney, using HB-EGF antibody (AAA28122) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HBEGF antibody (AAA28122) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-HBEGF antibody	Heparin-binding EGF-like growth factor (HB-EGF) is a 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 a soluble peptide that arises from proteolytic processing of the transmembrane form. Human HB-EGF shows 76% and 73% amino acid sequence identity with rat and mouse HB-EGF, respectively. It is required for normal cardiac valve formation and 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 is 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-HBEGF antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	544477
NCBI GeneID	1839
UniProt Accession #	Q99075 ; B2R821
Molecular Weight	Calculated MW: 23kDa Observed MW: 23kDa
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/hbegf-antibody-western-blot-immunofluorescence-immunocytochemistry-elisa/28122>