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Datasheet for ABIN6989545
anti-HBEGF antibody (AA 20-62)

Overview

Quantity:	100 µL
Target:	HBEGF
Binding Specificity:	AA 20-62
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBEGF antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DTSF/HB-EGF
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	HBEGF
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Target Details

Alternative Name: [DTSF/HB-EGF \(HBEGF Products\)](#)

Background: Synonyms: HB EGF, Diphtheria toxin receptor, DT R, DT-R, DTR, DTS, DTSF, HB-EGF, HBEGF, HBEGF_HUMAN, HEGFL, heparin binding EGF like growth factor, Heparin binding epidermal growth factor, Heparin binding epidermal growth factor like growth factor, Heparin-binding EGF-like growth factor, Proheparin binding EGF like growth factor.

Background: Heparin-binding epidermal growth factor-like growth factor (HB-EGF) is a 22 kDa O-glycosylated protein that is a potent mitogen and chemoattractant for vascular smooth muscle cells, fibroblasts and epithelial cells but not endothelial cells. The natural protein has an apparent molecular mass of 19-23 kDa and exists in multiple forms as a result of heterogeneous O-glycosylation and/or Nterminal truncation. HB-EGF is synthesized as a membrane-anchored precursor(proHB-EGF) that is proteolytically cleaved to release the soluble mature growth factor. The two forms are active as juxtacrine and paracrine/autocrine growth factors respectively.HB-EGF activates two EGF receptor subtypes, HER1/ErbB1 and HER4 and binds to heparan sulfate proteoglycan.

Gene ID: 1839

UniProt: [Q99075](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months