Datasheet for ABIN6977075

anti-HBEGF antibody (AA 20-62) (AbBy Fluor® 350)

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Overview

Quantity:	100 µL
Target:	HBEGF
Binding Specificity:	AA 20-62
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBEGF antibody is conjugated to AbBy Fluor® 350
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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
Alternative Name:	DTSF/HB-EGF (HBEGF Products)

Target Details

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:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months