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## HBEGF Rabbit pAb

Catalog Number: bs-3576R  
Target Protein: HBEGF  
Concentration: 1mg/ml  
Form: Liquid  
Host: Rabbit  
Clonality: Polyclonal  
Isotype: IgG  
Applications: ELISA (1:5000-10000)  
Reactivity: Human (predicted:Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse)  
Predicted MW: 21 kDa  
Entrez Gene: 1839  
Swiss Prot: Q99075  
Source: KLH conjugated synthetic peptide derived from human HB-EGF: 51-150/208.  
Purification: affinity purified by Protein A  
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  
Background: Heparin-binding epidermal growth factor-like growth factor (HB-EGF) is a 22kDa 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.

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=12.121] Maximilian Strunzet al. Alveolar regeneration through a Krt8+ transitional stem cell state that persists in Human lung fibrosis. Nat Commun . 2020 Jul 16;11(1):3559. IF ; mouse . 32678092

[IF=10.7] Xiangyi Ke. et al. Morphogenesis and regeneration share a conserved core transition cell state program that controls lung epithelial cell fate. DEV CELL. 2024 Dec 11 IF ; Mouse . 39667932

[IF=4.61] Lebkuechner et al. Heterogeneity of Notch signaling in astrocytes and the effects of GFAP and vimentin deficiency. (2015)

J.Neurochem. 135:234-48 ICC ; Mouse . 26118771

[IF=4.28] Lebkuechner, Isabell, et al. "Heterogeneity of Notch signaling in astrocytes and the effects of GFAP and vimentin deficiency."

Journal of Neurochemistry(2015). Other ; ="Mouse" . 26118771