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HB EGF Antibody

Rabbit mAb
Catalog # AP92112

Product Information

Application	WB
Primary Accession	Q99075
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	DTR; DTS; DTSF; HB-EGF; HBEGF; HEGFL;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23067

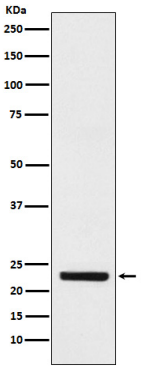
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HB EGF
Description	May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	HBEGF
Synonyms	DTR, DTS, HEGFL
Function	Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.
Cellular Location	[Heparin-binding EGF-like growth factor]: Secreted, extracellular space. Note=Mature HB-EGF is released into the extracellular space and probably binds to a receptor

Images



Western blot analysis of HB EGF expression in K562 cell lysate.

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