

# HB EGF Antibody

Rabbit mAb

Catalog # AP92112

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q99075</a>
<b>Reactivity</b>	Rat, Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	DTR; DTS; DTSF; HB-EGF; HBEGF; HEGFL;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	23067

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human HB EGF
<b>Description</b>	May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells.
<b>Storage Condition and Buffer</b>	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.

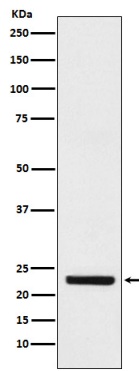
## Protein Information

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<b>Name</b>	HBEGF
<b>Synonyms</b>	DTR, DTS, HEGFL
<b>Function</b>	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.
<b>Cellular Location</b>	[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

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

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