




Product datasheet

Anti-HBEGF/DTR antibody ab218019

2 Images

Overview

Product name	Anti-HBEGF/DTR antibody
Description	Rabbit polyclonal to HBEGF/DTR
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Human 
Immunogen	Synthetic peptide within Human HBEGF/DTR aa 90-140 conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Sequence: E HGKRKKKGKG LGKKRDPCLR KYKDFCIHGE CKYVKELRAP SCICHPGYHG Database link: Q99075  Run BLAST with  Run BLAST with
Positive control	Rat heart tissue; rat kidney tissue.
General notes	This product was previously labelled as HB EGF

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, 1% BSA Aqueous buffered solution
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab218019** in the following tested applications.

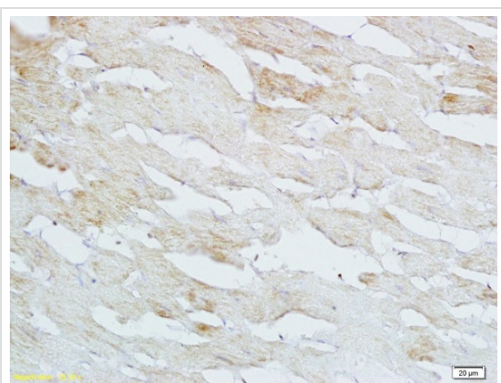
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500.

Target

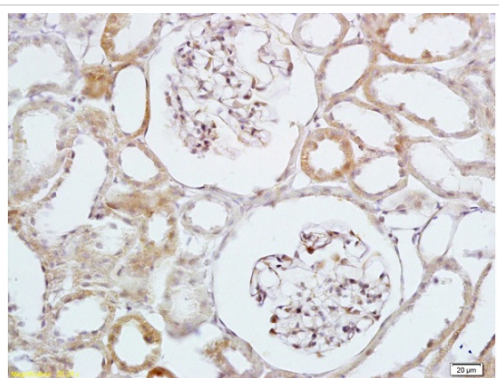
Function	May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.
Sequence similarities	Contains 1 EGF-like domain.
Post-translational modifications	Several N-termini have been identified by direct sequencing. The forms with N-termini 63, 73 and 74 have been tested and found to be biologically active. O-linked glycan attachment sites were determined by Edman degradation, O-glycanase digest suggests mucin-type glycosylation (done in HB-EGF purified from histiocytic lymphoma cell line U-937).
Cellular localization	Cell membrane and Secreted > extracellular space. Mature HB-EGF is released into the extracellular space and probably binds to a receptor.

Images



Immunohistochemical analysis of formalin fixed, paraffin embedded rat heart tissue labeling HBEGF/DTR with ab218019 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HBEGF/DTR antibody (ab218019)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HBEGF/DTR antibody (ab218019)

Immunohistochemical analysis of formalin fixed, paraffin embedded rat kidney tissue labeling HBEGF/DTR with ab218019 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

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