




Product datasheet

Anti-HBEGF/DTR antibody ab218019

[1 References](#) [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 50-150 conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q99075  Run BLAST with  Run BLAST with |
| Positive control | Rat heart tissue; rat kidney tissue. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

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 | pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X Aqueous buffered solution |

| | |
|------------------|--------------------|
| Purity | Protein A purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

The Abpromise guarantee 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

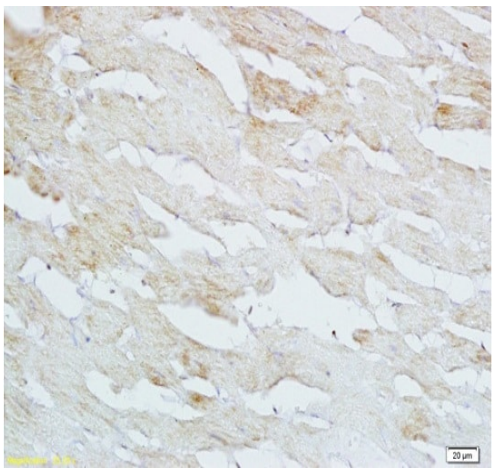
Function May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a 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).

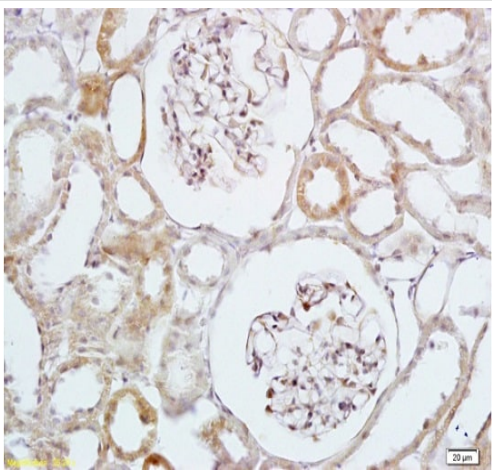
Cellular localization Cell membrane and Secreted > extracellular space. Mature HB-EGF is released into the extracellular space and probably binds to a receptor.

Images



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

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)

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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