

Anti-HBEGF/DTR antibody [4G10] ab66792

5 References [画像数 3](#)

製品の概要

製品名	Anti-HBEGF/DTR antibody [4G10]
製品の詳細	Mouse monoclonal [4G10] to HBEGF/DTR
由来種	Mouse
アプリケーション	適用あり: IP, WB, ICC/IF
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant fragment corresponding to Human HBEGF/DTR.
エピトープ	EGF domain
ポジティブ・コントロール	Vero cell extract carrying human HBEGF/DTR expression vector.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6 Constituents: PBS, 50% Glycerol (glycerin, glycerine)
精製度	Protein G purified
特記事項 (精製)	Produced in serum-free medium and purified by combination of chromatography
ポリ/モノ	モノクローナル
クローン名	4G10
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab66792の使用に適用されます

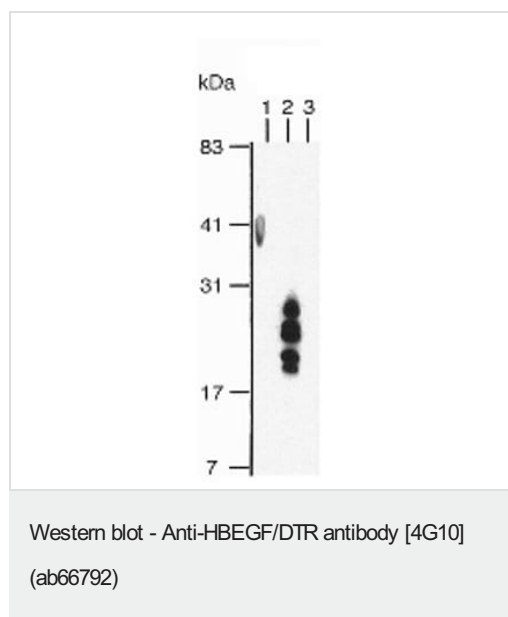
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration. Use at 2µg/ml
WB		Use a concentration of 0.2 - 1 µg/ml. Detects a band of approximately 20-28 kDa (predicted molecular weight: 23, 40 kDa).
ICC/IF		Use a concentration of 5 - 10 µg/ml.

ターゲット情報

機能	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.
配列類似性	Contains 1 EGF-like domain.
翻訳後修飾	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).
細胞内局在	Cell membrane and Secreted > extracellular space. Mature HB-EGF is released into the extracellular space and probably binds to a receptor.

画像



All lanes : Anti-HBEGF/DTR antibody [4G10] (ab66792) at 1 µg/ml

Lane 1 : Vero (African green monkey kidney epithelial cell) whole cell lysate

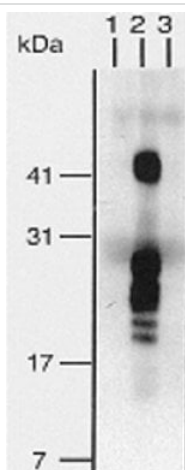
Lane 2 : Vero cell extract from cells carrying human HBEGF/DTR expression vector

Lane 3 : Vero cell extract from cells carrying mouse HBEGF/DTR expression vector

Predicted band size: 23, 40 kDa

Observed band size: 20-28 kDa

Additional bands at: 41 kDa. We are unsure as to the identity of these extra bands.



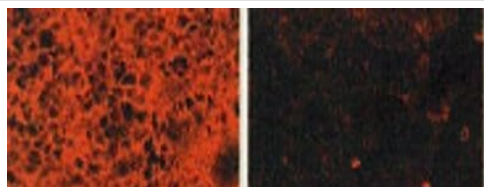
Immunoprecipitation - Anti-HBEGF/DTR antibody
[4G10] (ab66792)

Lane 1: Vero cell extract, 1µg

Lane 2: Vero cells carrying Human HBEGF/DTR expression vector, 1µg

Lane 3: Vero Cells carrying mouse HBEGF/DTR expression vector, 1µg

Ab66792 immunoprecipitating HBEGF/DTR in Vero Cells. For western blotting, a HRP conjugated streptavidin was used as the secondary antibody; cell surface was biotinylated.



Immunocytochemistry/ Immunofluorescence - Anti-HBEGF/DTR antibody [4G10] (ab66792)

These images show Vero cells carrying human HG-EGF expression vector (left hand image) and Vero cells carrying mouse HBEGF/DTR expression vector (right hand image). Cells treated with ab 66792, fixed with 4% PFA and reacted with Cys3 conjugated 2nd antibody.

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