

Anti-VEGFD antibody [EPR8457] ab155288

リコンビナント **RabMAb**

15 References 画像数 **12**

製品の概要

製品名	Anti-VEGFD antibody [EPR8457]
製品の詳細	Rabbit monoclonal [EPR8457] to VEGFD
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, IHC-P, ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human VEGFD. The exact sequence is proprietary. Database link: <u>O43915</u> (Peptide available as <u>ab189506</u>)
ポジティブ・コントロール	Raji, HT-1080, MCF-7, and Caco-2 cell lysates. Human heart and lung tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <u>see here</u> . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <u>RabMAb[®] patents</u> .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8457
アイソタイプ	IgG

アプリケーション

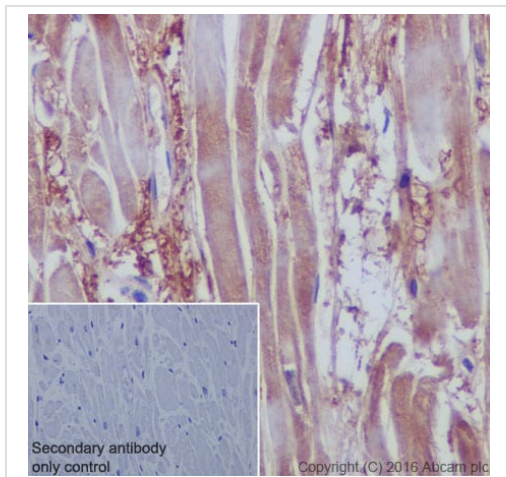
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab155288の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 40 kDa.
IHC-P		1/100 - 1/700. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/200.

ターゲット情報

機能	Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.
組織特異性	Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas.
配列類似性	Belongs to the PDGF/VEGF growth factor family.
翻訳後修飾	Undergoes a complex proteolytic maturation which generates a variety of processed secreted forms with increased activity toward VEGFR-3 and VEGFR-2. VEGF-D first form an antiparallel homodimer linked by disulfide bonds before secretion. The fully processed VEGF-D is composed mostly of two VEGF homology domains (VHDs) bound by non-covalent interactions.
細胞内局在	Secreted.

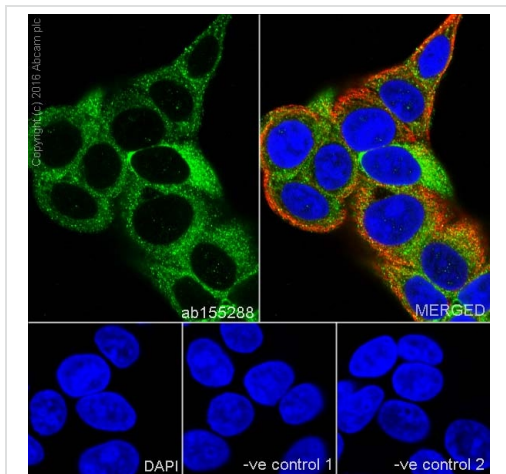
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGFD antibody [EPR8457] (ab155288)

ab155288 staining VEGFD in human cardiac muscle tissue sections by Immunohistochemistry (IHC-P - Formalin/paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and antigen retrieval was by heat mediation in a EDTA buffer. Samples were incubated with primary antibody at a dilution of 1/700. A goat anti-rabbit IgG H&L (HRP) [ab97051](#) was used as the secondary antibody at a dilution of 1/500.

Negative control: PBS in place of primary antibody.

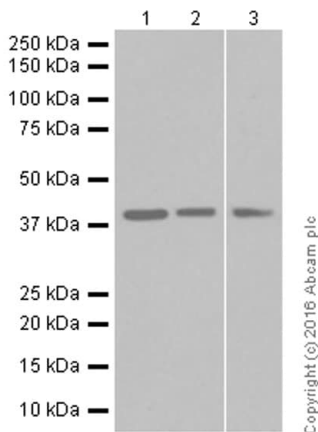


Immunocytochemistry/ Immunofluorescence - Anti-VEGFD antibody [EPR8457] (ab155288)

ab155288 staining VEGFD in MCF-7 (human breast carcinoma) cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody. [ab7291](#) and [ab150120](#) were used as counterstains for primary antibody ab155288 and secondary antibody [ab150077](#) respectively and DAPI was used as a nuclear counterstain.

Negative control 1: Rabbit primary antibody and anti-mouse secondary antibody ([ab150120](#))

Negative control 2: Mouse primary antibody ([ab7291](#)) and anti-rabbit secondary antibody ([ab150077](#))



Western blot - Anti-VEGFD antibody [EPR8457] (ab155288)

All lanes : Anti-VEGFD antibody [EPR8457] (ab155288) at 1/10000 dilution

Lane 1 : Raji (human Burkitt's lymphoma) whole cell lysate

Lane 2 : HT1080 (human fibrosarcoma) whole cell lysate

Lane 3 : Caco-2 (human colorectal adenocarcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

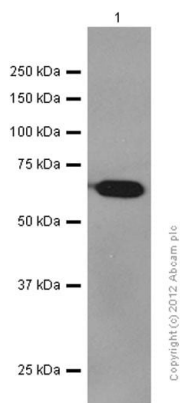
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 40 kDa

Additional bands at: 40 kDa. We are unsure as to the identity of these extra bands.

Diluting and blocking buffer: 5% NFDM/TBST



Western blot - Anti-VEGFD antibody [EPR8457] (ab155288)

Anti-VEGFD antibody [EPR8457] (ab155288) at 1/10000 dilution (Unpurified) + GST-Tagged human VEGFD (aa 1 to 354) recombinant protein

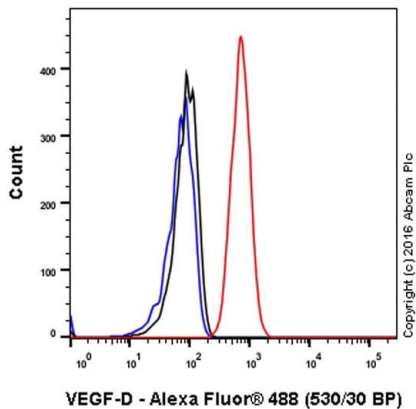
Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/1000 dilution

Predicted band size: 40 kDa

Observed band size: 65 kDa

Blocking/Diluting Buffer and concentration: 5% NFDM/TBST

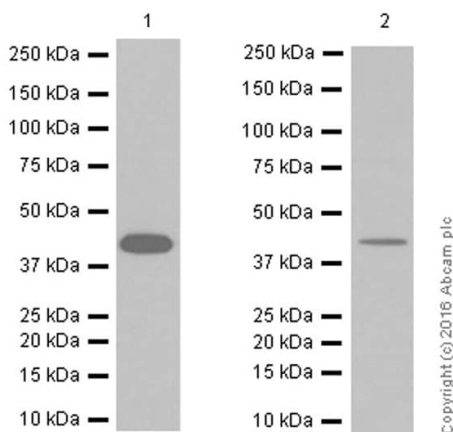


Flow Cytometry (Intracellular) - Anti-VEGFD antibody [EPR8457] (ab155288)

ab155288 staining VEGFD in the mouse cell line NIH/3T3 (mouse embryo) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)



Western blot - Anti-VEGFD antibody [EPR8457] (ab155288)

All lanes : Anti-VEGFD antibody [EPR8457] (ab155288) at 1/2000 dilution

Lane 1 : Rat lung tissue lysate

Lane 2 : NIH/3T3 (mouse embryo) whole cell lysate

Lysates/proteins at 15 µg per lane.

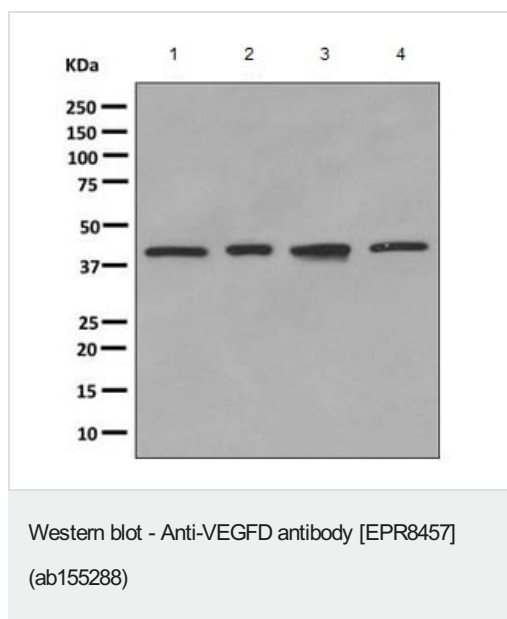
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 40 kDa

Additional bands at: 40 kDa. We are unsure as to the identity of these extra bands.

Diluting and blocking buffer: 5% NFDM/TBST



All lanes : Anti-VEGFD antibody [EPR8457] (ab155288) at 1/1000 dilution

Lane 1 : Raji lysate

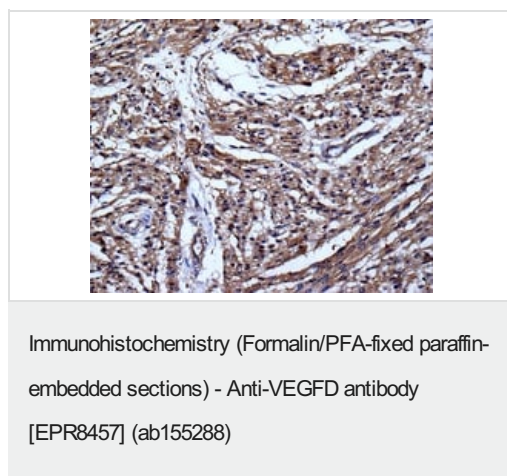
Lane 2 : HT-1080 lysate

Lane 3 : MCF-7 lysate

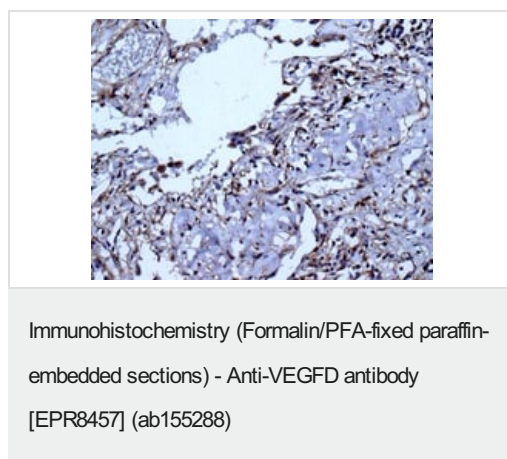
Lane 4 : Caco-2 lysate

Lysates/proteins at 10 µg per lane.

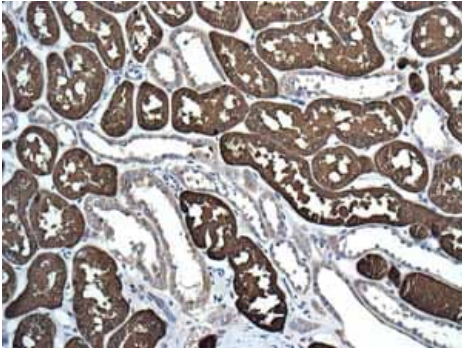
Predicted band size: 40 kDa



Immunohistochemical analysis of paraffin embedded Human heart tissue labeling VEGFD with ab155288 at a 1/100 dilution.

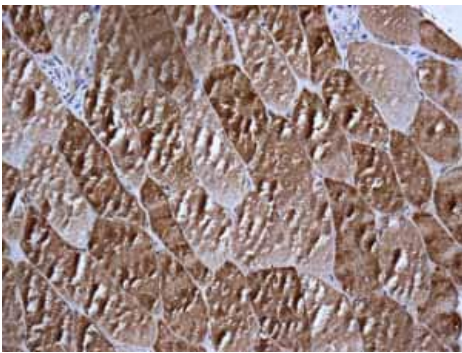


Immunohistochemical analysis of paraffin embedded Human lung tissue labeling VEGFD with ab155288 at a 1/100 dilution.



Immunohistochemical analysis of paraffin embedded Human normal kidney tissue using ab155288 showing +ve staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGFD antibody [EPR8457] (ab155288)



Immunohistochemical analysis of paraffin embedded Human skeletal muscle tissue using ab155288 showing +ve staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VEGFD antibody [EPR8457] (ab155288)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-VEGFD antibody [EPR8457] (ab155288)

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